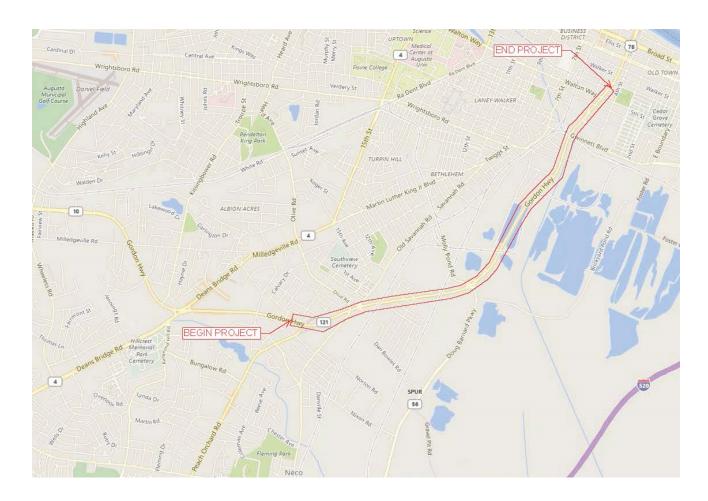
STATE OF GEORGIA TIA PROJECT CONCEPT REPORT

Project Type: Barrier	P.I. Number:	0011660
GDOT District: 2	County:	Richmond
Federal Route Number: 78	MPO ID Number:	N/A
State Route Number: 10		
This project will improve safety along the Gordon F	lighway/U.S. 78 corridor	between U.S. 25 and
Walton Way with the removal of existing double-f	aced median guardrail a	and the installation of
concrete median barrier. Additionally, decorative	lighting will be installed	along the corridor to
improve visibility and aesthetic. The project will also	o Include resurfacing of	the roadway.
Submitted for approval:		
•		
Local Government Representative	- Andrews Company Comp	DATE
D. Sept Wills - CRANSION	ENGINGGRING	6-15-18
District Engineer/Consultant & Firm	γ .	DATE
Sam. Brewe		6/28/2018
TIA Project Manager		DATE
En Will		6/28/2018
GDOT TIA Regional Coordinator		DATE
San .		6/29/18
TIA Program Manager	•	DATE
Black		7/03/18
GDOT State TIA Administrator	The state of the s	DATE
Approval:		
11.10		1 1 2 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Concur: Will Cital		719118
GDOT Director of Engineering		DATE
Mars N A D's	4.4	1. 1.0
Approve: Washington Q. P. V.	<u>U</u>	2/11/18
GDOT Chief Engineer		DATE

Project Concept Report – Page 2 P.I. Number: 0011660

County: Richmond

PROJECT LOCATION



PLANNING & BACKGROUND DATA

Project Intended Benefit: Mays, Sudderth & Etheridge (MSE) performed the design for roadway improvements on Gordon Highway in the late 1980's. At one time, those design plans included the construction of concrete median barriers. However, the concrete barriers were replaced with metal guardrail. In the late 1990's, Augusta-Richmond County sought to negotiate a contract with MSE to make necessary modifications to the previously designed plans to accommodate construction of the concrete median barriers. Without necessary funding, this project eventually was dropped.

When funding became available through the Transportation Investment Act (TIA) in 2010, this project was revived. The current concept is to remove the existing median guardrail and install concrete median barrier with the intent to decrease the need for expensive maintenance to damaged guardrail. Similar to the recent Riverwatch Parkway (SR 104) and John C. Calhoun Expressway (SR 28) projects, decorative style lighting will be installed along the median barrier and on the outside shoulder at intersections to improve visibility. An added benefit to the project will be the beautification of another gateway to downtown Augusta. The posted speed limit through the project limits is 45 MPH. There are four (4) signalized intersections within the project limits, including the Walton Way terminus.

Project Concept Report – Page 3

Other projects in the area: N/A

County: Richmond

Due to increased loading on the four bridges in this corridor, load capacity improvements will be done on each of the affected bridges. Some landscaping will be done at selected intersections with wide raised medians to improve aesthetic, especially at important gateway locations. Finally, resurfacing of the wearing course will be completed to renew the driving surface and improve ride quality.

P.I. Number: 0011660

This project begins at the interchange of U.S. 78 and U.S. 25 (Peach Orchard Rd), where concrete median barrier is already present, and extends to the intersection of Gordon Highway with Walton Way, after which the median is wide and landscaped before Gordon Highway becomes elevated and already has median barrier.

The goals of this project are to reduce maintenance costs associated with the metal guardrail while maintaining or improving safety relative to crashes across the median. Lighting improvements will improve driver visibility, improving safety along the corridor. The use of decorative lighting and landscaping will improve aesthetic where possible. Any necessary modifications to drainage structures will also aim to improve any existing drainage issues that may be present.

Description of the proposed project: This project covers a roughly 3-mile section of Gordon Highway/U.S. 78 beginning at the interchange with U.S. 25/Peach Orchard Rd and ending at the intersection with Walton Way. The project primarily consists of removing the existing metal median guardrail and replacing it with concrete median barrier, but will also include adding decorative-style lighting and a mill and overlay of the wearing course to revitalize the driving surface. Structural improvements to the four bridges in this corridor, as described in the table below, will accommodate the additional load from the added concrete barrier and lighting fixtures. Some minor landscaping will also be done to improve overall aesthetic.

• •				
Federal Oversight: Exempt	State Funded	⊠ TIA	Other	
MPO: Augusta Regional Transporta	ation Study (ARTS)		MPO Project I	D N/A
TIA Regional Commission: Central	Savannah River RC		RC Project ID	RC07-001215
Congressional District(s): 12				
Projected Traffic: N/A Current Year (20WW): Open Traffic Projections Performed by:	n Year (20XX):	Design Ye	ar (20YY):	
Functional Classification (Mainline)	: Urban Principal Arto	erial		
Complete Streets - Bicycle, Pedestr Warrants met: None		destrian] Transit	
Is this a 3R (Resurfacing, Restoration	on, & Rehabilitation) I	Project?	⊠ No	Yes

Project Concept Report – Page 4 P.I. Number: 0011660

County: Richmond

DESIGN AND STRUCTURAL DATA

Mainline Design Features: US 78/Gordon Highway

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	6		6
- Lane Width(s)	12 ft	11-12 ft	12 ft
- Median Width & Type	Varies	24 ft (raised)	Varies
- Outside Shoulder or Border Area Width	10 ft	N/A	10 ft
- Outside Shoulder Slope	6%	6%	6%
- Inside Shoulder Width	2 ft	2 ft	2 ft
- Sidewalks	N/A	5 ft	N/A
- Auxiliary Lanes			
- Bike Lanes	N/A	4-5 ft	N/A
Posted Speed	45 mph		45 mph
Design Speed	55 mph	55 mph	55 mph
Min Horizontal Curve Radius		1062 ft	
Maximum Super elevation Rate		6% (Urban)	
Maximum Grade		5% (Urban)	
Access Control	By Permit	By Permit	By Permit
Design Vehicle	WB-40		WB-40
Pavement Type	НМА		НМА

^{*}According to current GDOT design policy if applicable

Major Structures:

Structure ID	Existing	Proposed
Bridge ID#	275' long, 105'-9" wide bridge	Proposed modifications to all 4 bridges
245-0013-0	with guardrail along center longitudinal joint. Superstructure consists of composite steel beams. Sufficiency rating = 72.5 Inventory Rating = HS-22	involve adding GDOT compliant concrete barriers along the center longitudinal joint. 16'-9" of bridge deck width and 2 lines of steel beams are anticipated to be replaced to accommodate the new barriers. New components below the S-type barriers would be designed to AASHTO
Bridge ID#	262' long, 105'-9" wide bridge	Standard Specifications, 17th edition. 19'-6" of bridge deck width and 2
245-0014-0	with guardrail along center	lines of tee beams are anticipated
	longitudinal joint.	to be replaced with Type-I modified
	Superstructure consists of	girders to accommodate the new
	reinforced concrete tee beams.	barriers.
	Sufficiency rating = 89.9	
	Inventory Rating = HS-36	

Project Concept Report – Page 5 P.I. Number: 0011660

County: Richmond

Bridge ID# 245-0015-0	169' long, 105'-9" wide bridge with guardrail along center longitudinal joint. Superstructure consists of composite steel beams. Sufficiency rating = 81.2 Inventory Rating = HS-27	16'-9" of bridge deck width and 2 lines of steel beams are anticipated to be replaced to accommodate the new barriers.
Bridge ID# 245-0016-0	275' long, 105'-9" wide bridge with guardrail along center longitudinal joint. Superstructure consists of composite steel beams. Sufficiency rating = 73.2 Inventory Rating = HS-42	16'-9" of bridge deck width and 2 lines of steel beams are anticipated to be replaced to accommodate the new barriers.

Major Interchanges/Intersections:

• US 25 (Peach Orchard Rd)

• SR 56 (Doug Barnard Pkwy)

Lighting Required:	☐ No	∑ Yes			
Transportation Man If Yes: Projec TMP (•	s:		No nificant TO	Yes Significant
Will Context Sensitiv	e Solutions p	procedures be u	ıtilized?	No	∑ Yes
Design Exceptions to	FHWA/AASI	HTO controlling	criteria antic	ipated: N/A	

UTILITY AND PROPERTY

Railroad Involvement: Railroad coordination will be required due to the proposed project crossing several railroad facilities. Proposed conditions at each of the crossings will match existing conditions.

Bridge ID# 245-0013-0 over Norfolk Southern Railroad Bridge ID# 245-0014-0 over Norfolk Southern Railroad

Design Variances to GDOT Standard Criteria anticipated: N/A

Bridge ID# 245-0015-0 over CSX Railroad

Bridge ID# 245-0016-0 over CSX Railroad.

Project Concept Report – Page 6 County: Richmond	P.I. Number: 001166
 Utility Involvements: Electrical – Georgia Power Gas – Atlanta Gas & Light Communications – Unite Private Networks, AT&T Water – Augusta, GA Sanitary – Augusta, GA 	
SUE Required: No Yes	
Public Interest Determination Policy and Procedure recommended (Utili	ties)? 🛛 No 🔲 Yes
Right-of-Way: Existing width150ft. Proposed widt Required Right-of-Way anticipated: ∑ No Yes	h: <u>150</u> ft. Undetermined
Easements anticipated: None Temporary Permanent	Utility Other
Anticipated number of impacted parcels: 0 Total Displacements Anticipated: 0 Businesses: 0 Residences: 0 Other: 0	
ENVIRONMENTAL DATA	
Anticipated Environmental Document: GEPA: Type A Letter Type B Letter NEPA: CE EA/FONSI None	
Project Air Quality: Is the project located in a PM 2.5 Non-attainment area? Is the project located in an Ozone Non-attainment area? Is a Carbon Monoxide hotspot analysis required? No	Yes Yes Yes
MS4 Compliance – Is the project located in an MS4 area?	
Environmental Permits/Variances/Commitments/Coordination anticipat	ted: During the ecological

Environmental Permits/Variances/Commitments/Coordination anticipated: During the ecological windshield survey of the corridor, one open water and two wetlands were identified alongside the corridor. Due to the close proximity of these water resources to the proposed project, impacts may occur, triggering the necessity of a 404 Permit. If these waters are also buffered, a stream buffer

Project Concept Report – Page 7 P.I. Number: 0011660

County: Richmond

variance through GA EPD may be required. If the disturbed area of the project exceeds one acre than a (National Pollutant Discharge Elimination System) NPDES permit may be required.

The history background research identified between 10 and 15 historic properties alongside the project corridor. At this time the eligibility of these sites for listing in the National Register of Historic Places (NRHP) is unknown, and field surveys would need to be conducted.

The archaeological background research of Georgia's Natural, Archaeological, and historical Resources GIS (GNAHRGIS) identified three previously recorded sites within a one-kilometer radius of the project corridor, but no sites adjacent to or within the existing Gordon Highway right-of-way. Therefore, field surveys would need to be conducted and resource impacts determined.

NEPA/GEPA Comments & Information: There are minority and low-income populations in the area of the proposed project. However, given the scope of the proposed improvements the project is not anticipated to disproportionately adversely affect these populations.

No NEPA or GEPA permit is required for this project.

PROJECT RESPONSIBILITIES

Project Activities:

Project Activity	Party Responsible for Performing Task(s)
Concept Development	Cranston Engineering Group
Design	Cranston Engineering Group
Right-of-Way Acquisition	TIA Office
Utility Relocation	Cranston Engineering Group
Letting to Contract	TIA Office
Construction Supervision	TIA Office
Providing Material Pits	N/A
Providing Detours	N/A
Environmental Studies, Documents, and Permits	Edwards-Pitman
Environmental Mitigation	Edwards-Pitman
Construction Inspection & Materials Testing	TIA Office

Other coordination to date:

Initial Concept Meeting: August 3, 2017 **Concept Team Meeting:** June 20, 2018

Monthly Project Status Meeting:

- 2/21/2018
- 3/21/2018
- 4/25/2018
- 5/16/2018
- 6/20/2018

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County: Richmond

Project Cost Estimate and Funding Responsibilities:

	Breakdown of PE	Breakdown of ROW	Breakdown of Reimbursable Utilities	Breakdown of CST	Budget Contingency	Total Cost
TIA Programmed Budget	\$550,000	\$0	\$0	\$12,260,000	\$1,190,000	\$14,000,000
Funded By	TIA	TIA	TIA	TIA/State	TIA	
Date of Estimate	2018	2018	2018	2018	2018	
Total Estimated Amount	\$550,000	\$0	\$0	\$10,727,310	\$1,190,000	\$12,467,310

Note: 1. Budget Contingency includes project contingency, program contingency, and program level of effort costs

ALTERNATIVES

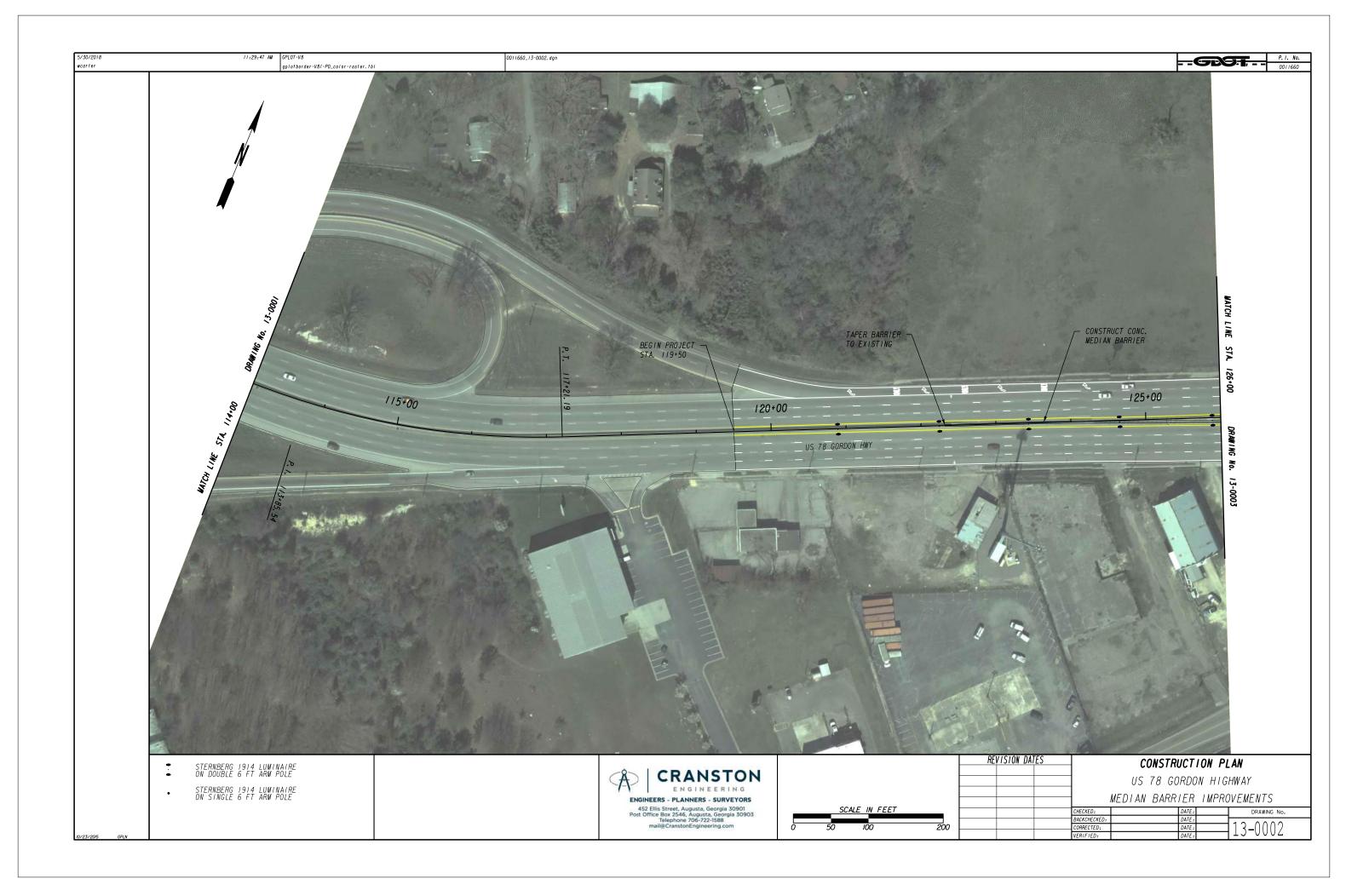
Preferred Alternative: Median barrier replacement, decorative-style median lighting, mill and overlay, and landscaping at Doug Barnard Pkwy and at Walton WayEstimated Property Impacts:N/AEstimated Total Cost:\$12,467,310Estimated ROW Cost:N/AEstimated CST Time:24 monthsRationale:Maintains or improves safety of corridor while reducing maintenance costs.Improves aesthetic.

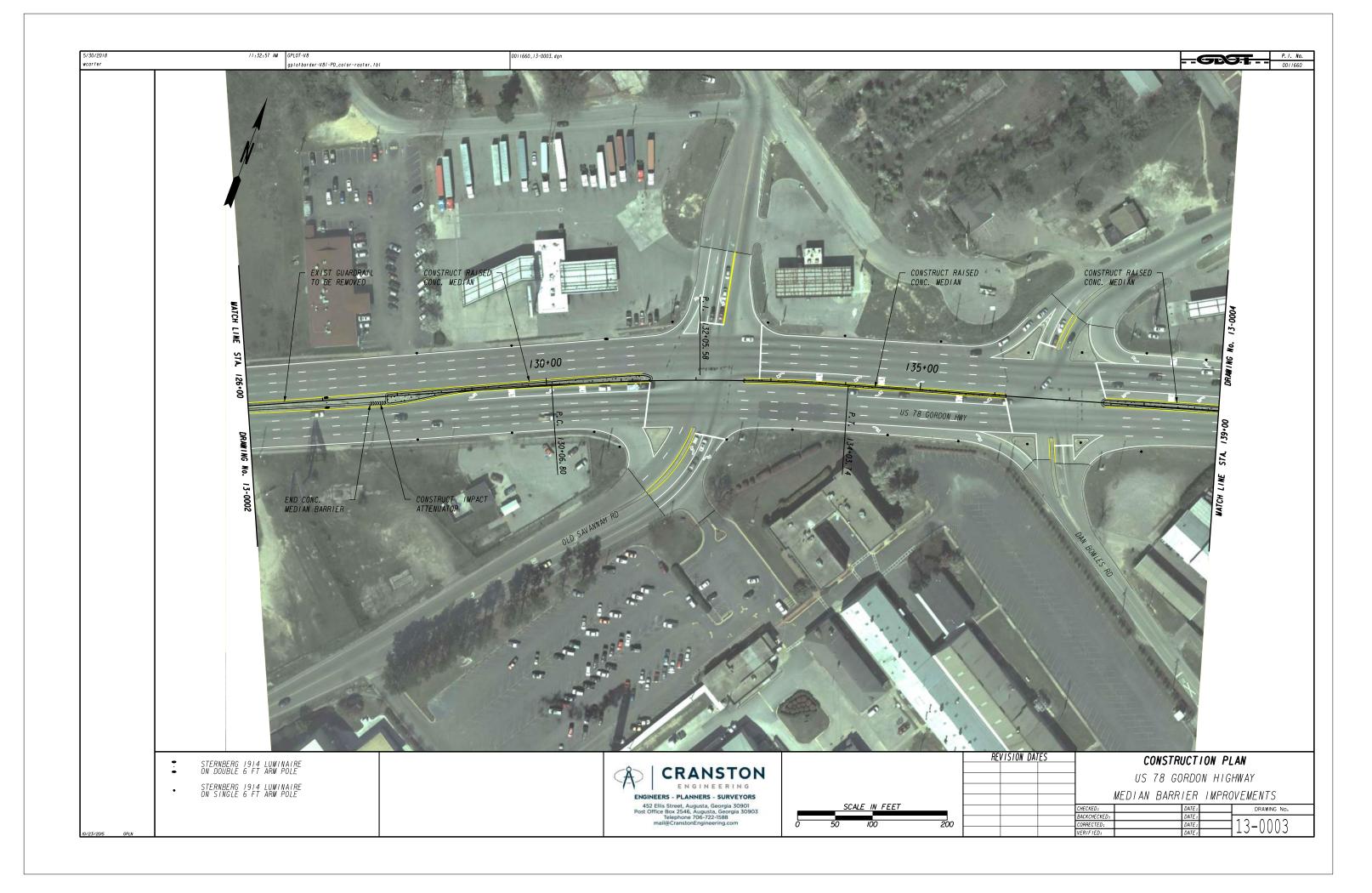
No-Build Alternative: Retain existing metal guardrail					
Estimated Property Impacts: N/A Estimated Total Cost: \$0					
Estimated ROW Cost: N/A Estimated CST Time: N/A					
Rationale: Guardrail maintenance cost is high and safety factors make no-build infeasible.					

Attachments:

- 1. Concept Layout
- 2. Typical sections
- 3. Cost Estimates
- 4. Meeting Minutes
- 5. Environmental Screening Memo
- 6. MS4 Concept Report Summary



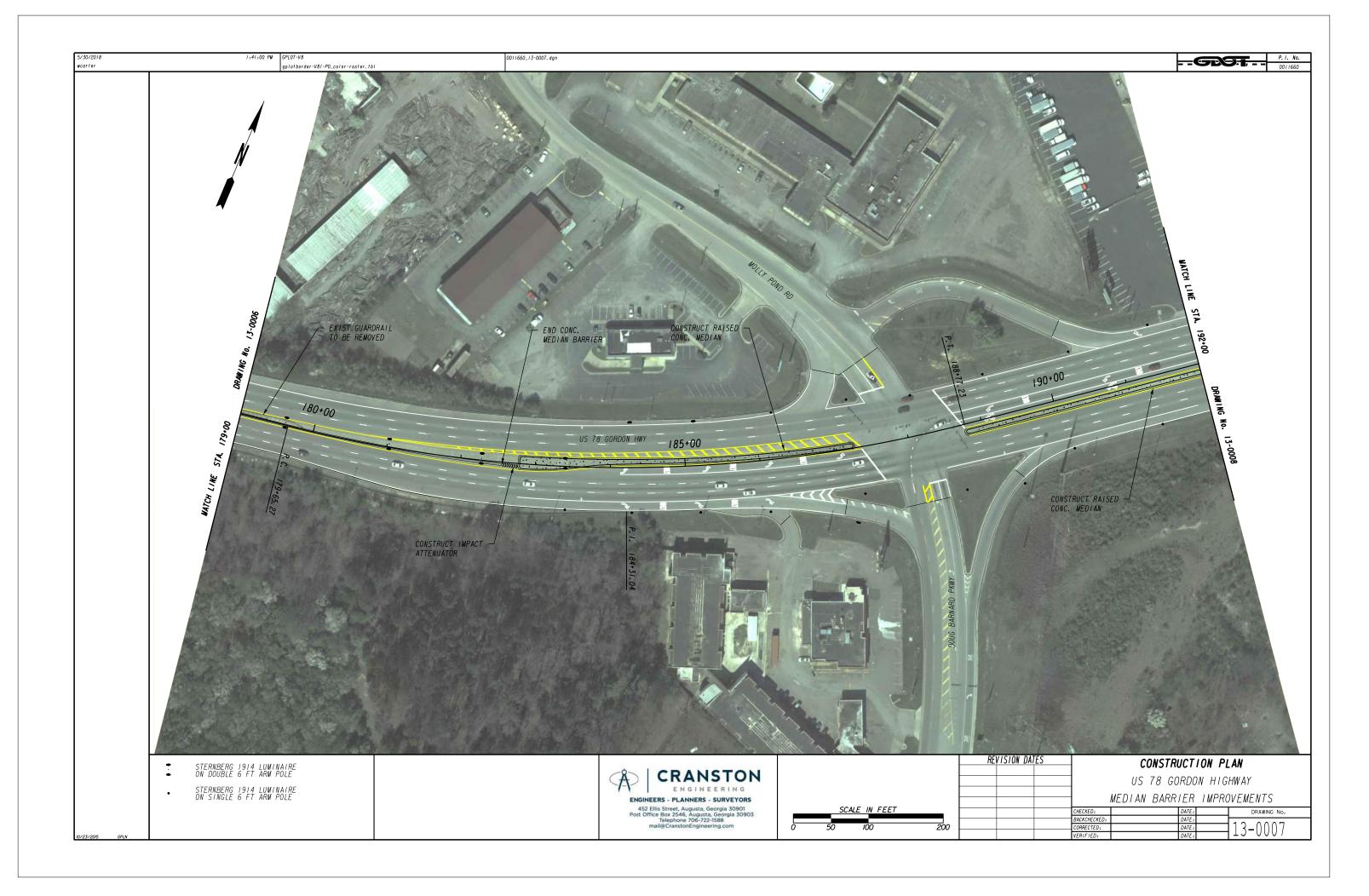


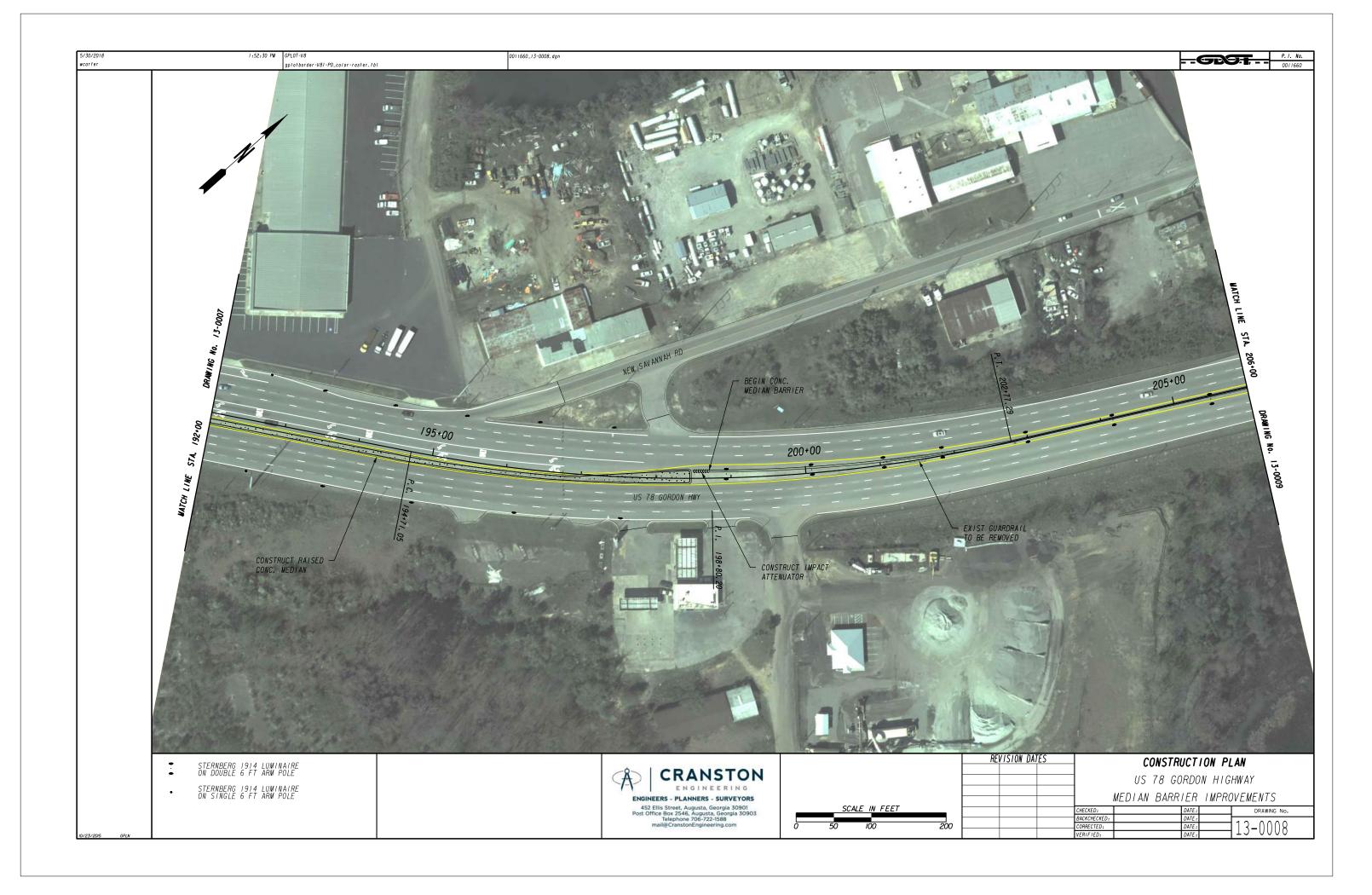






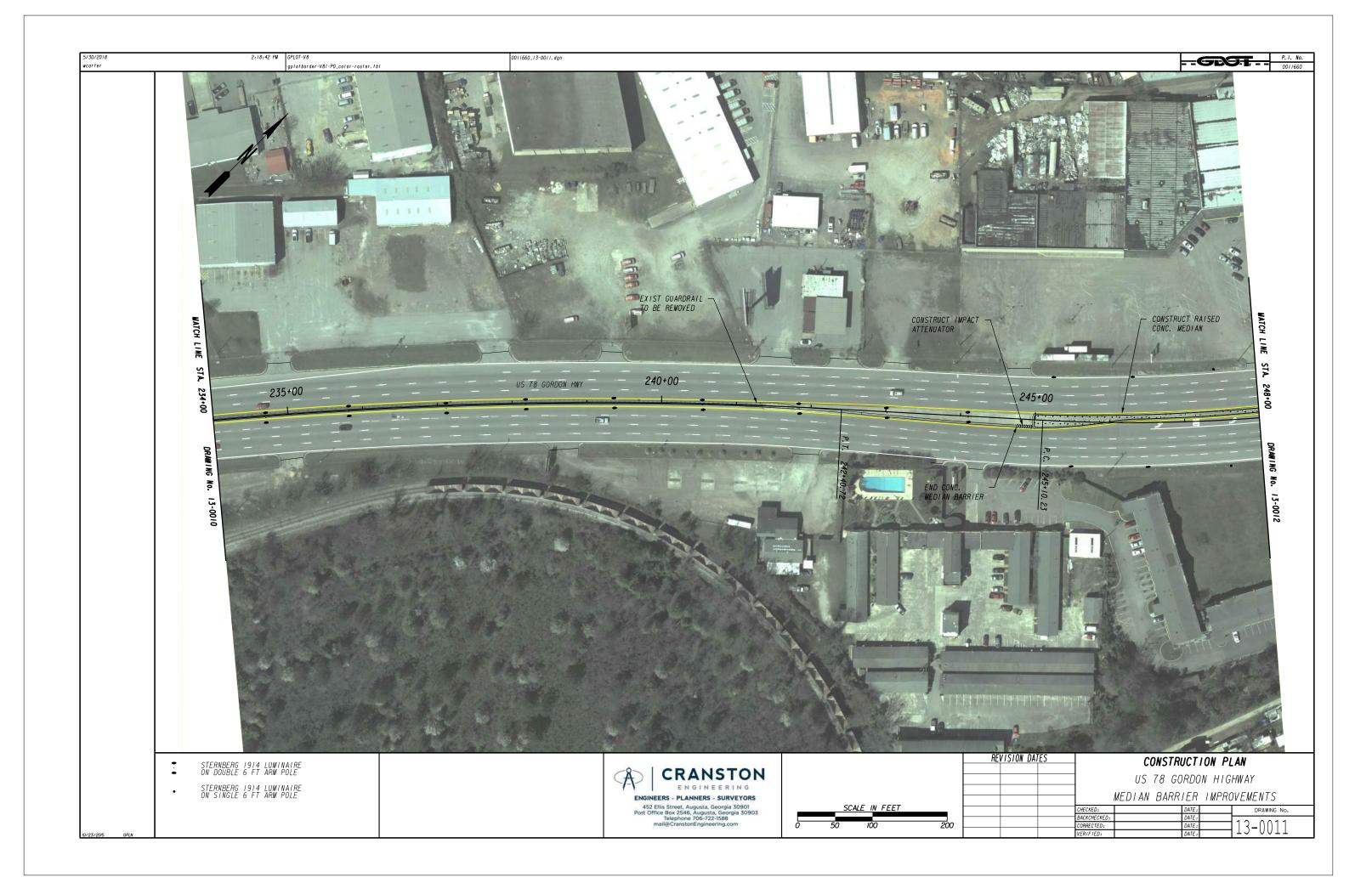


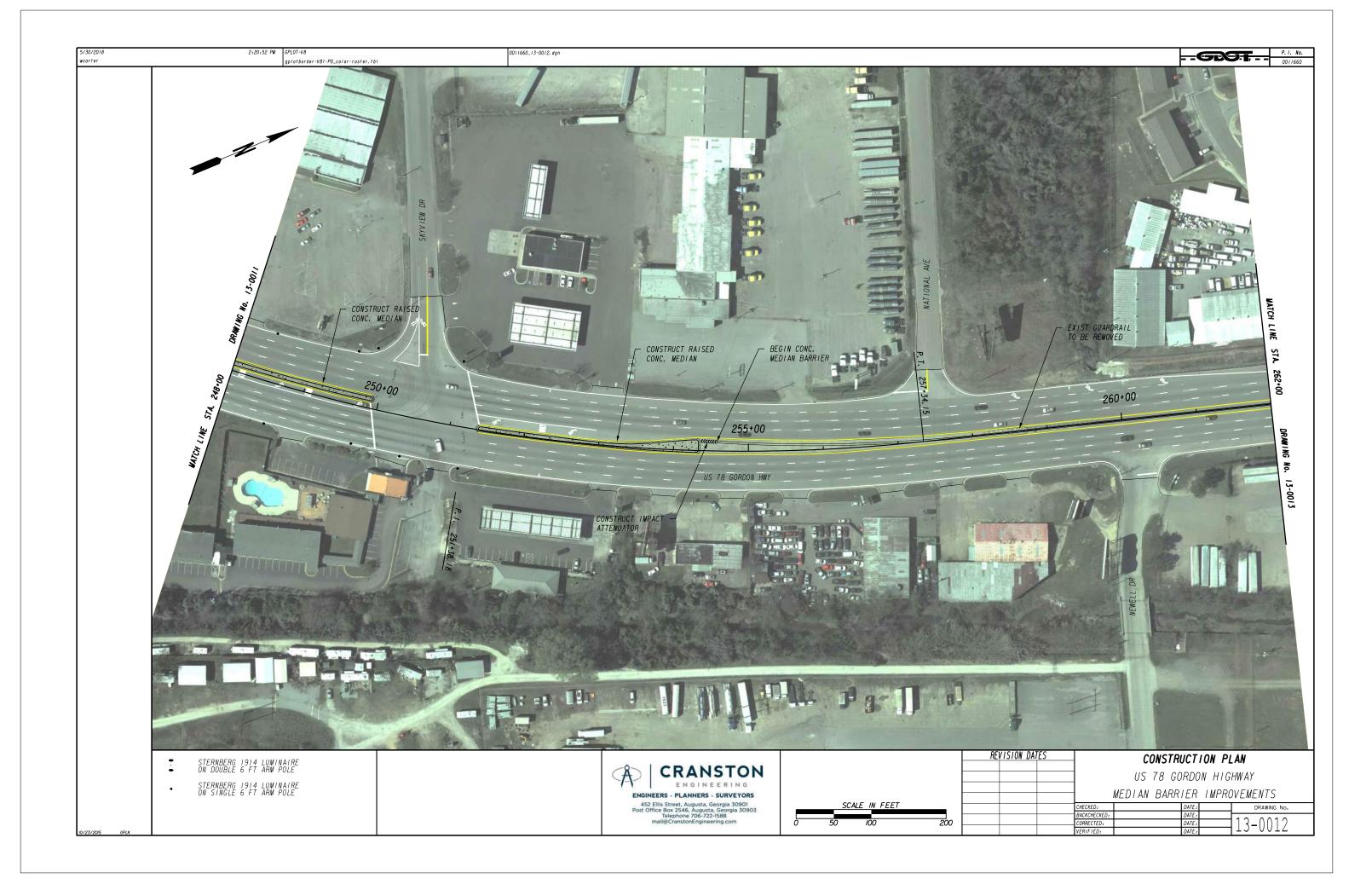


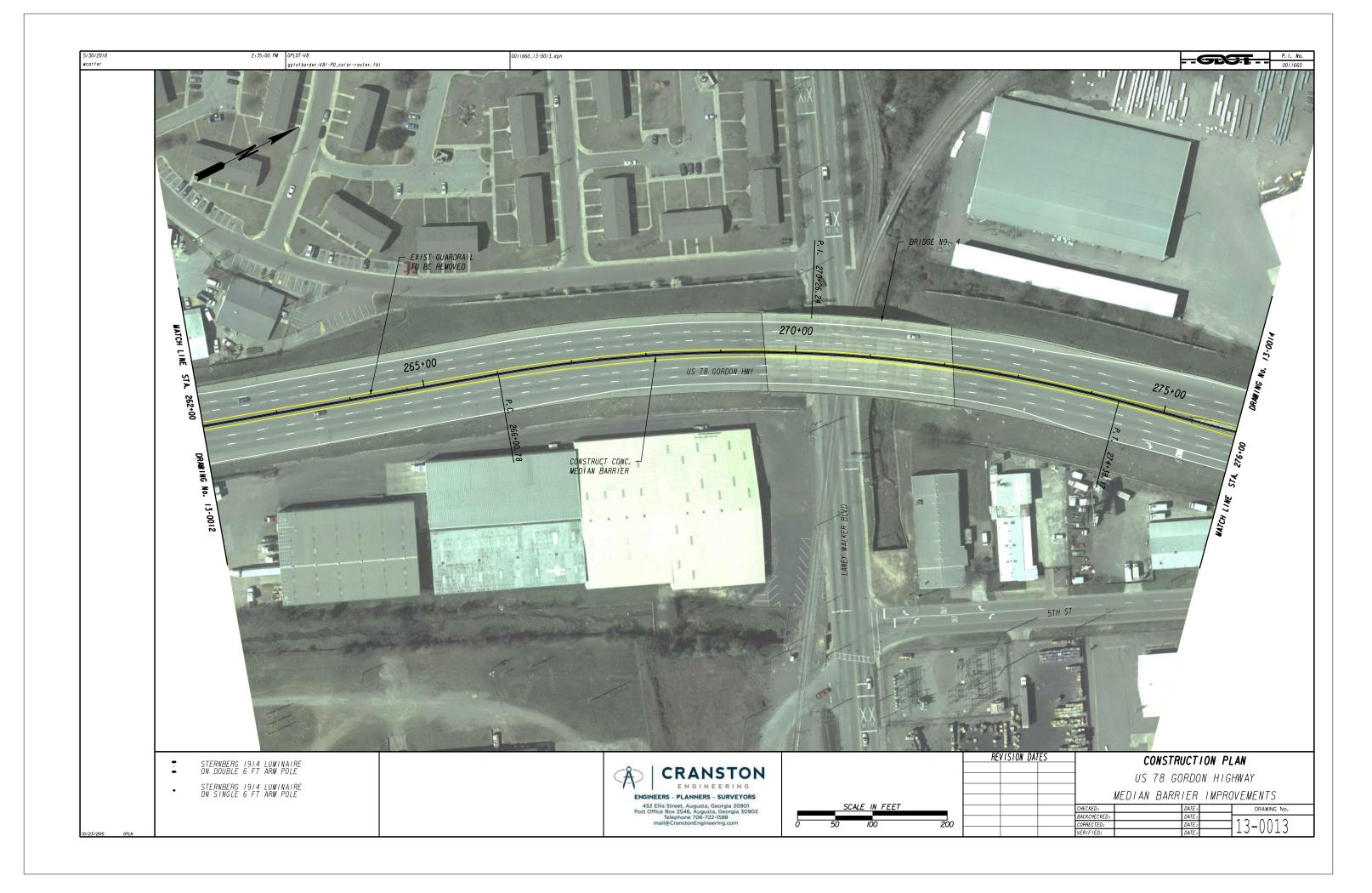


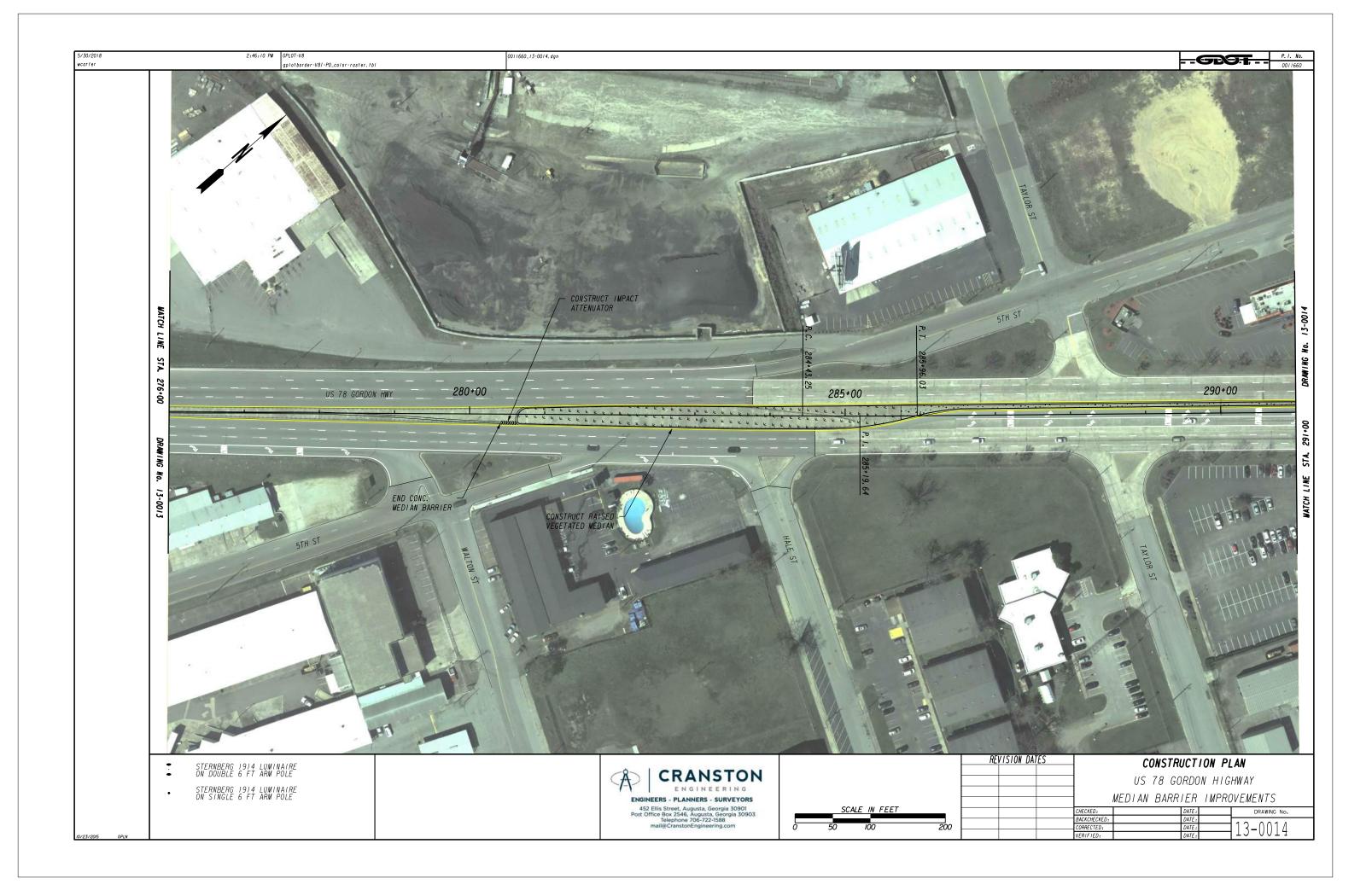






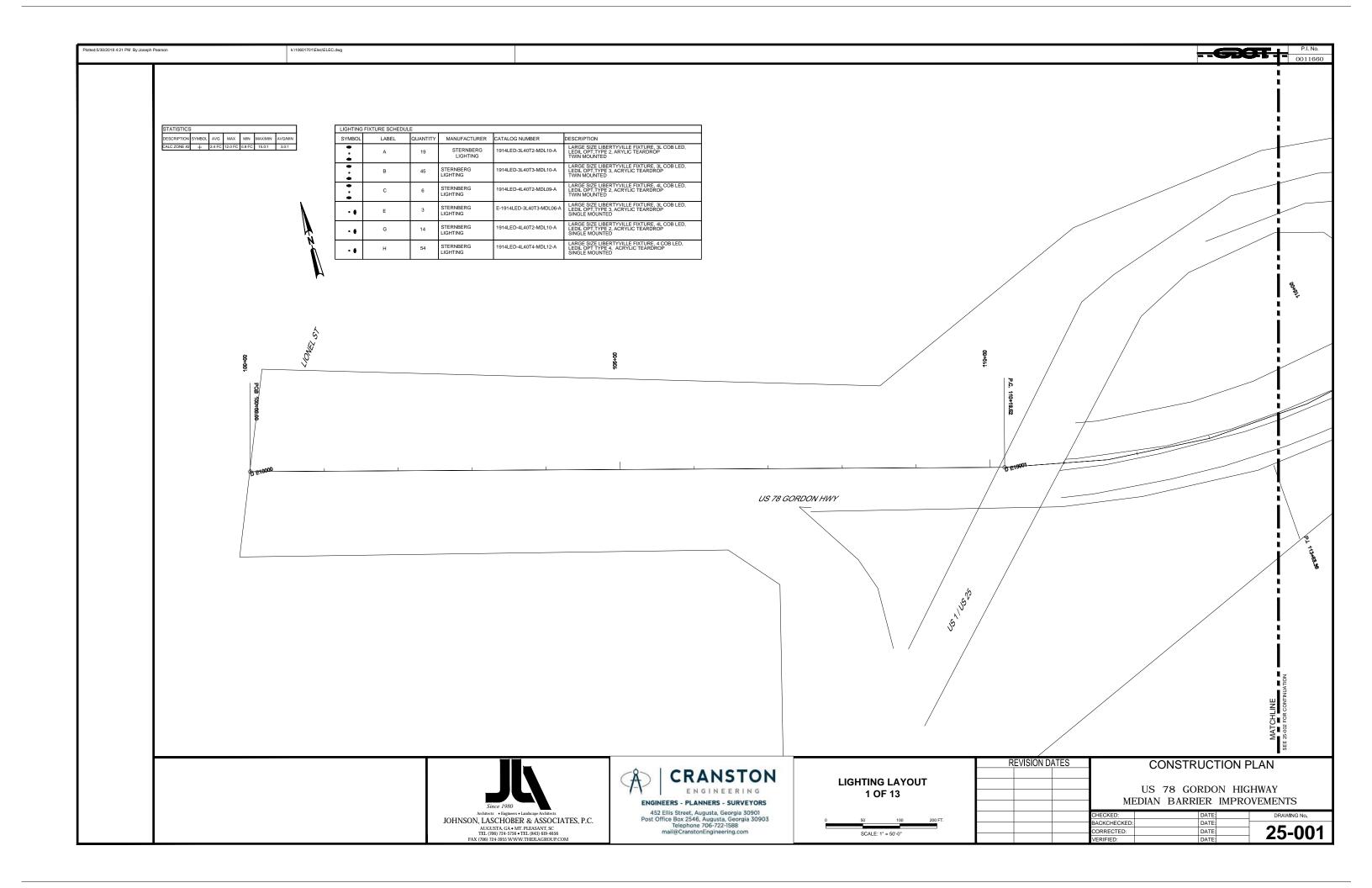


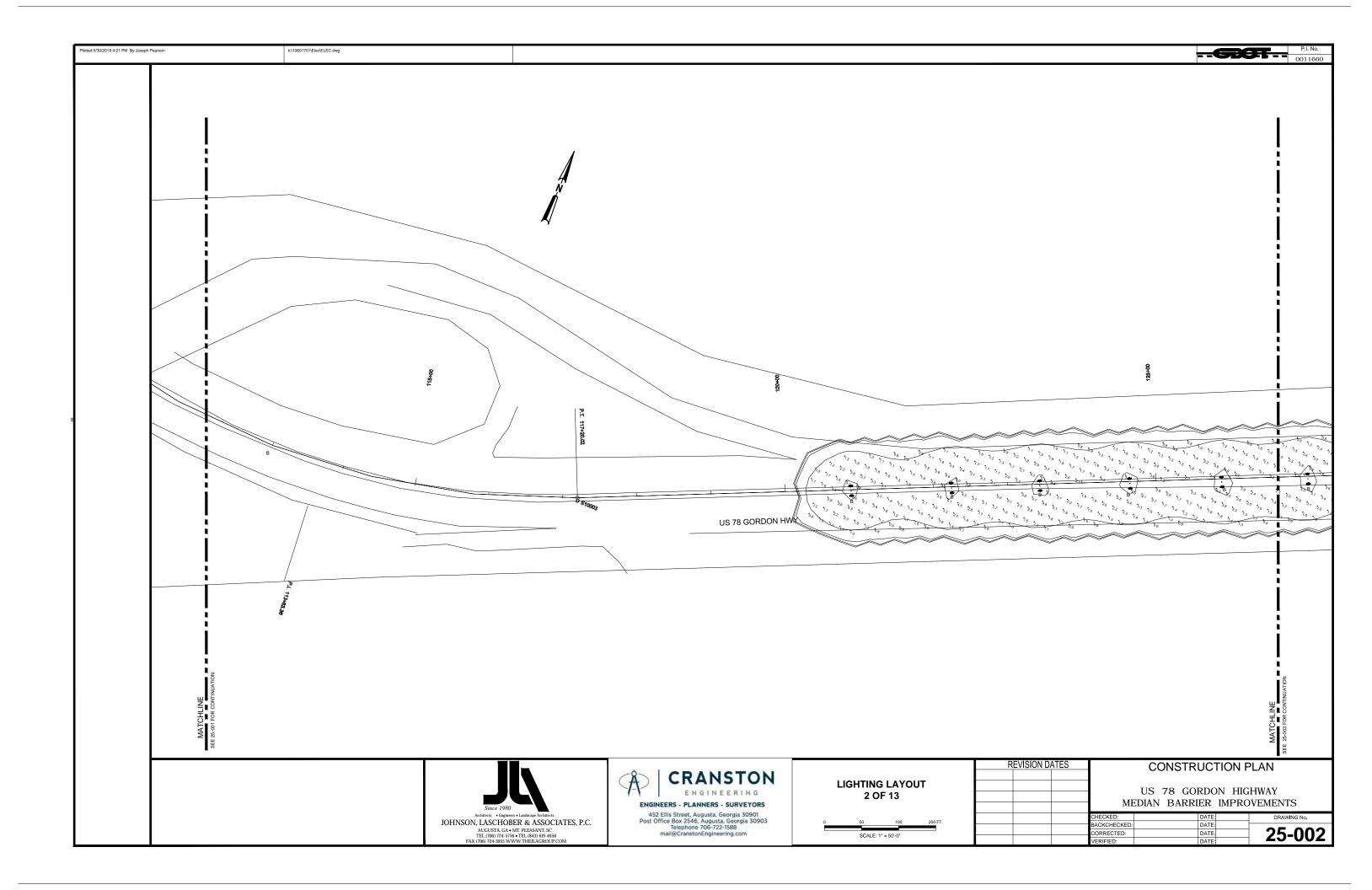


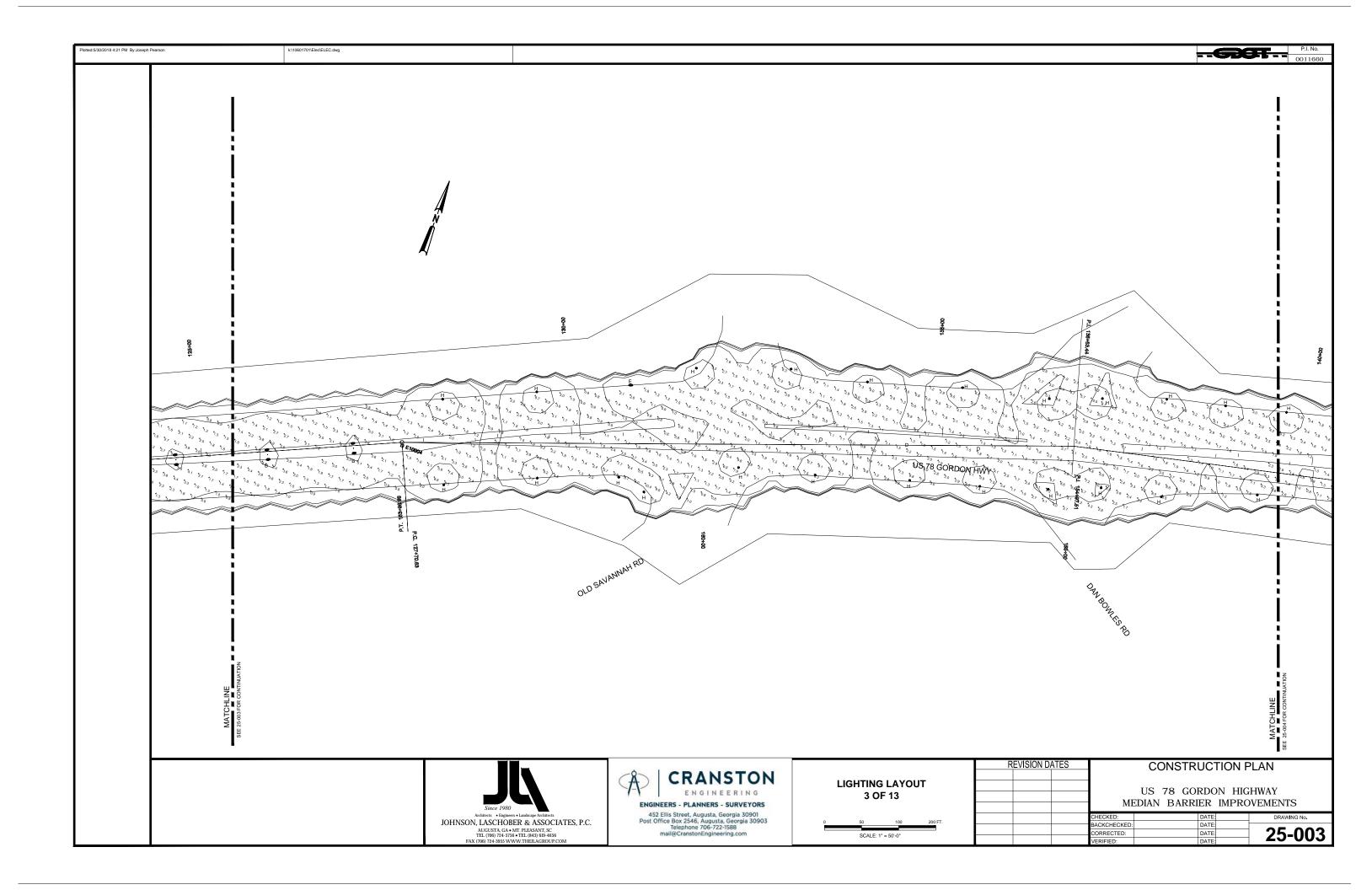


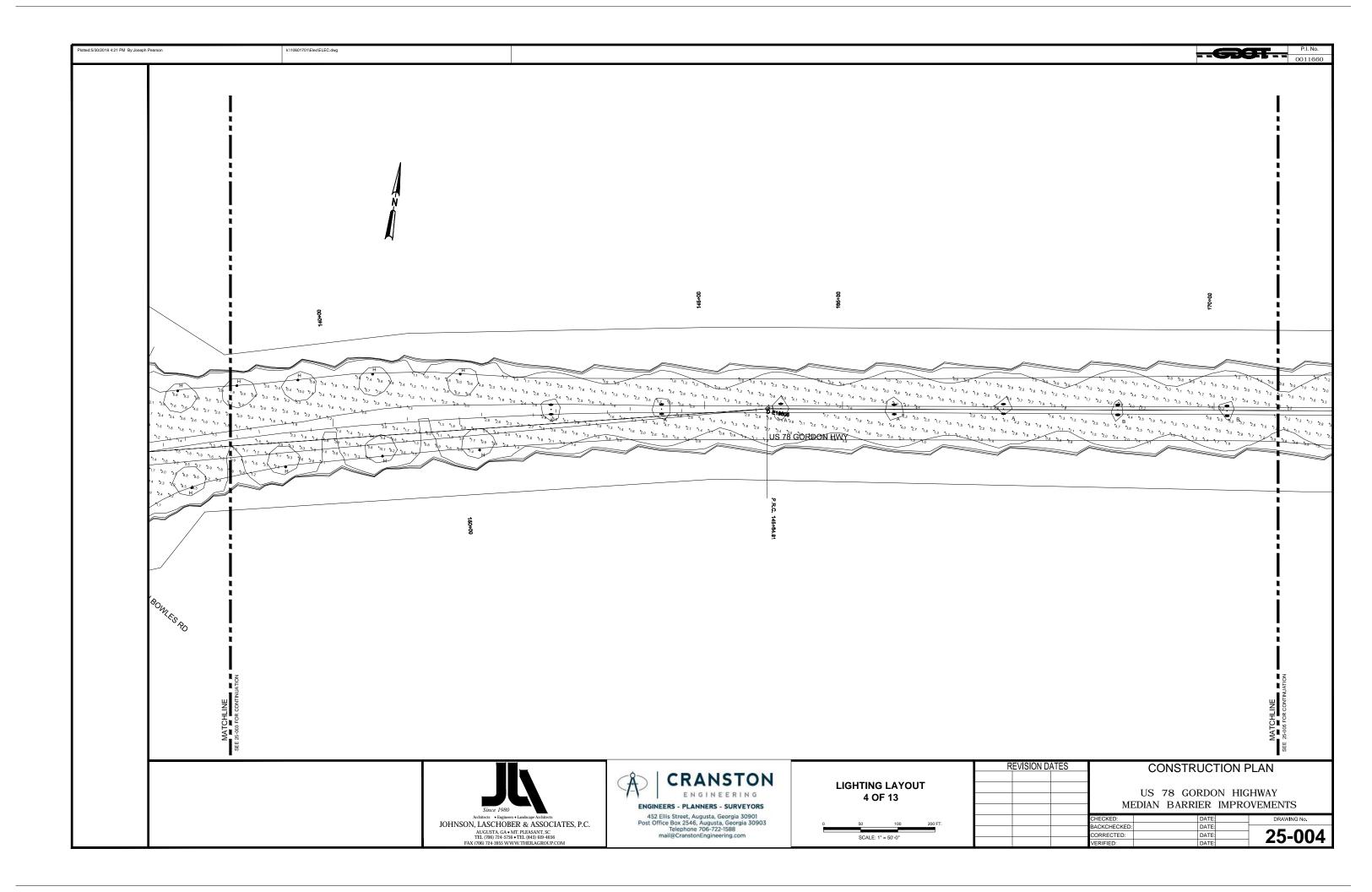


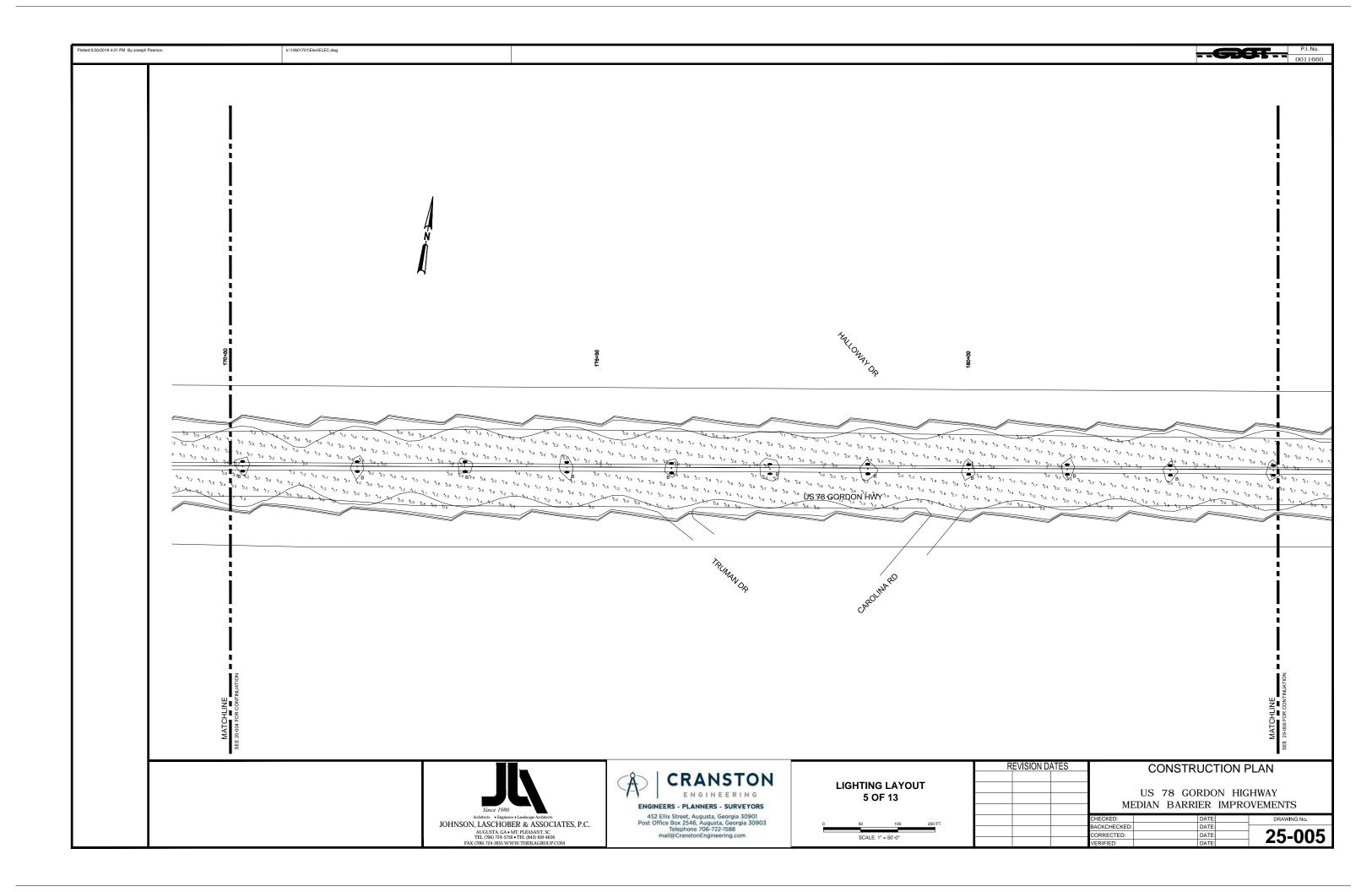


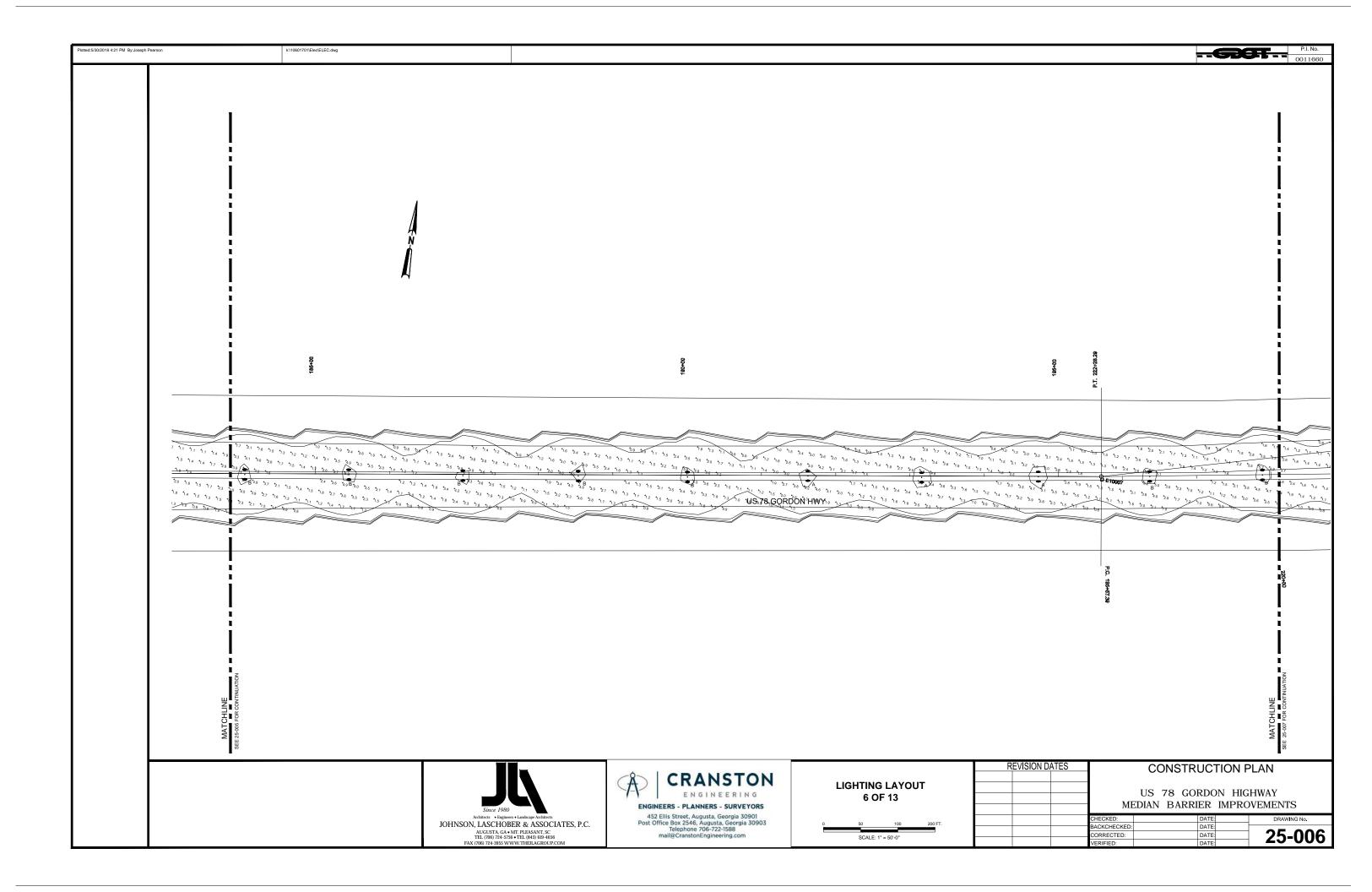


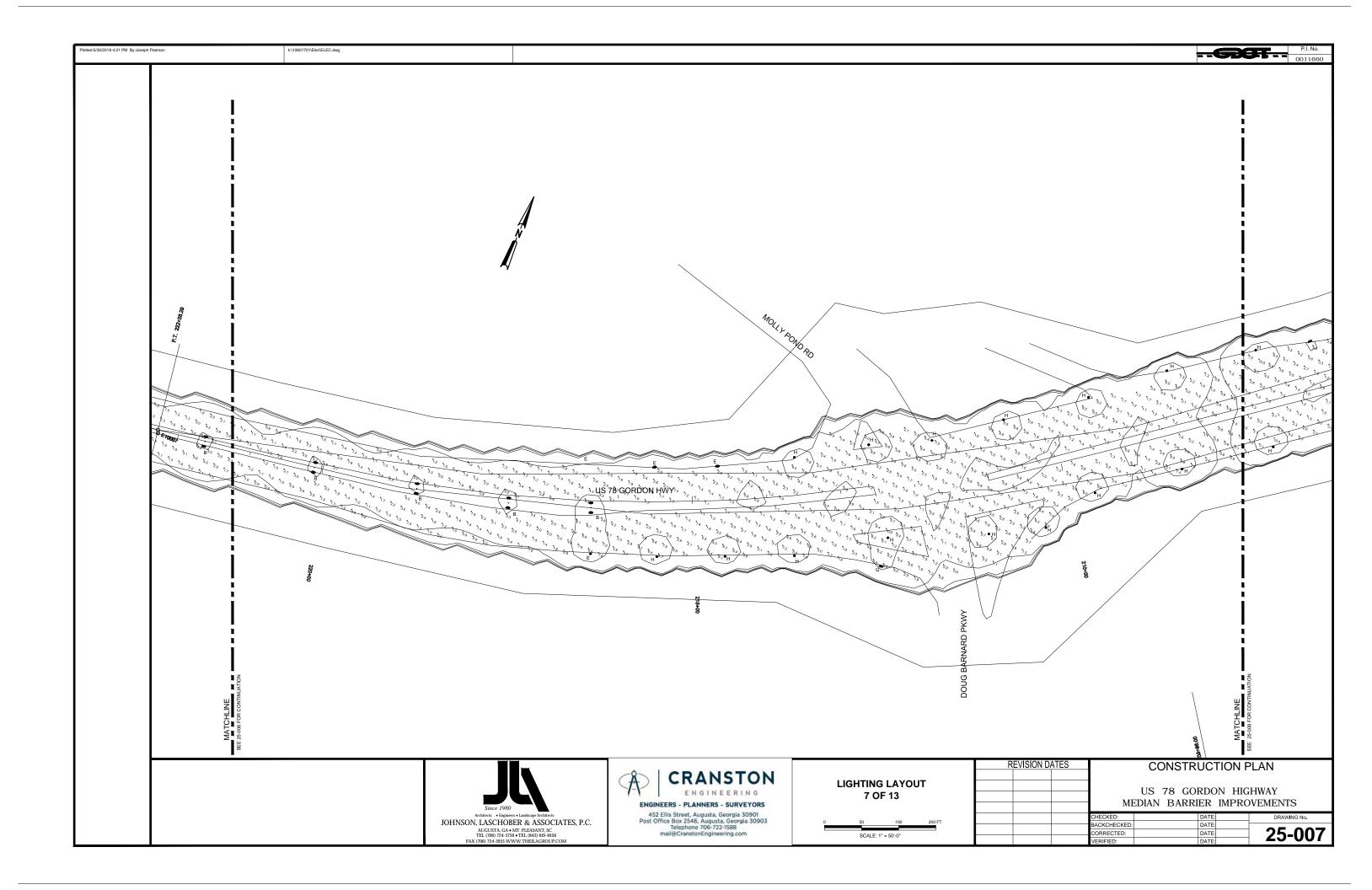


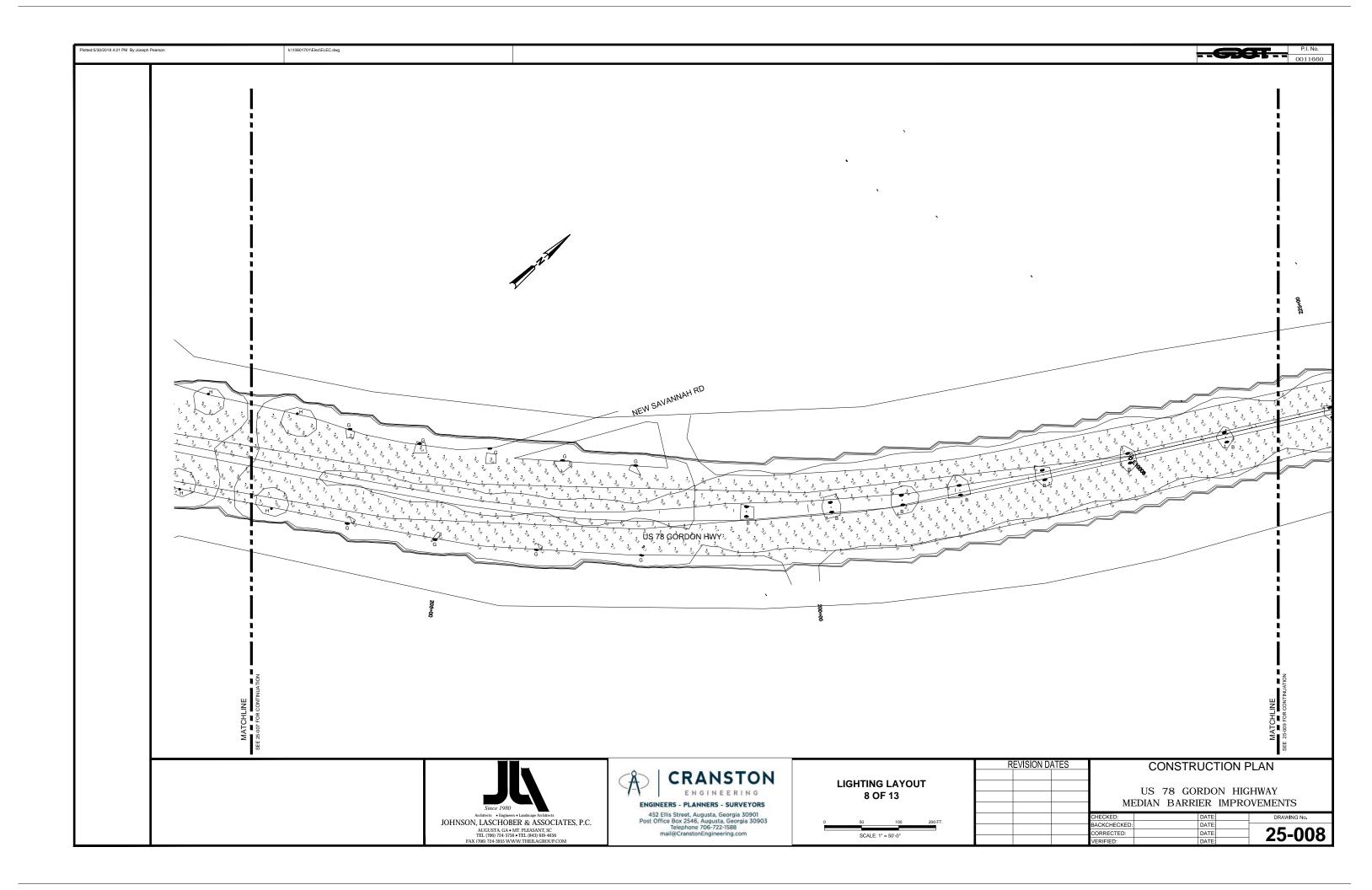


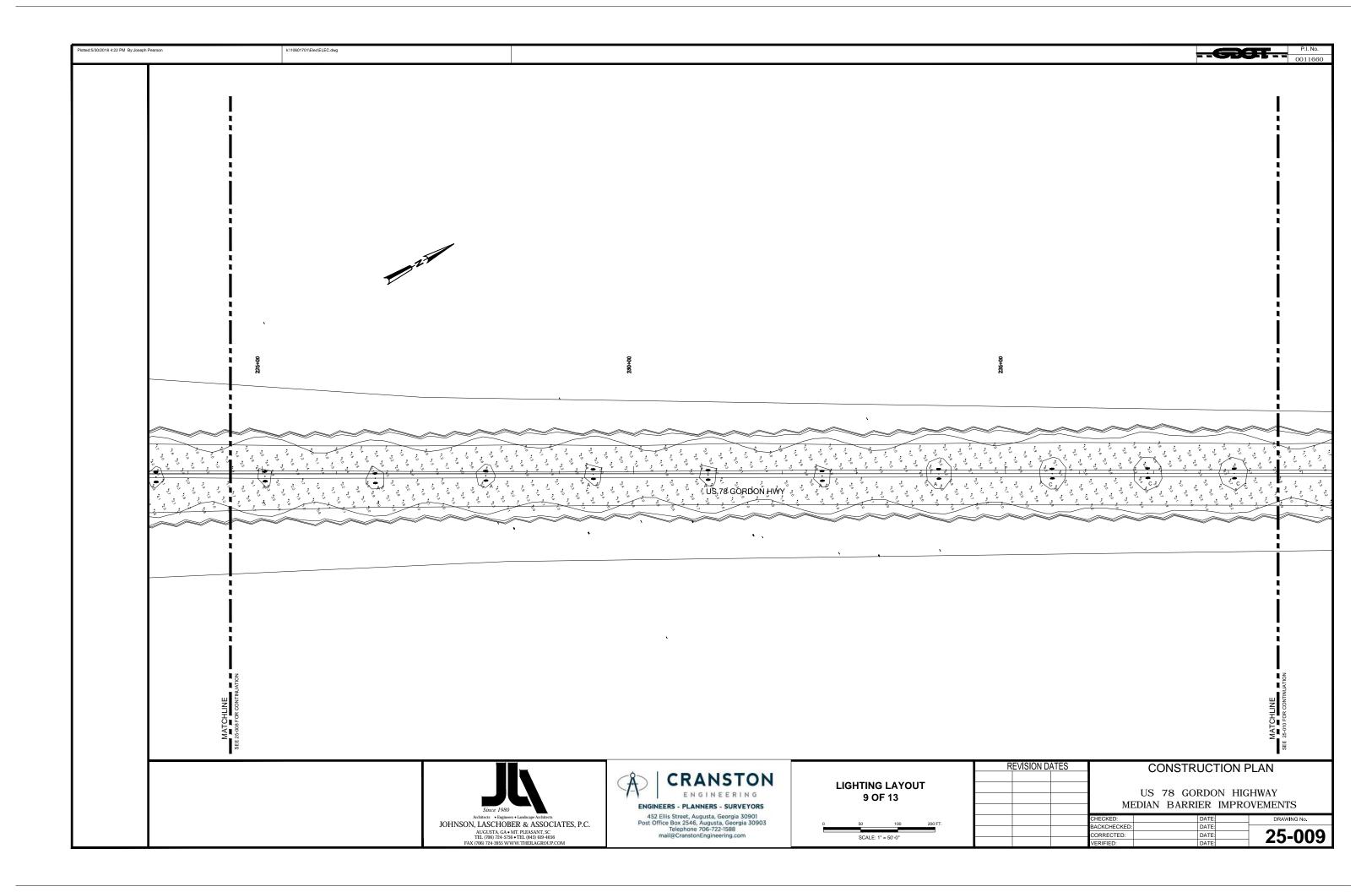


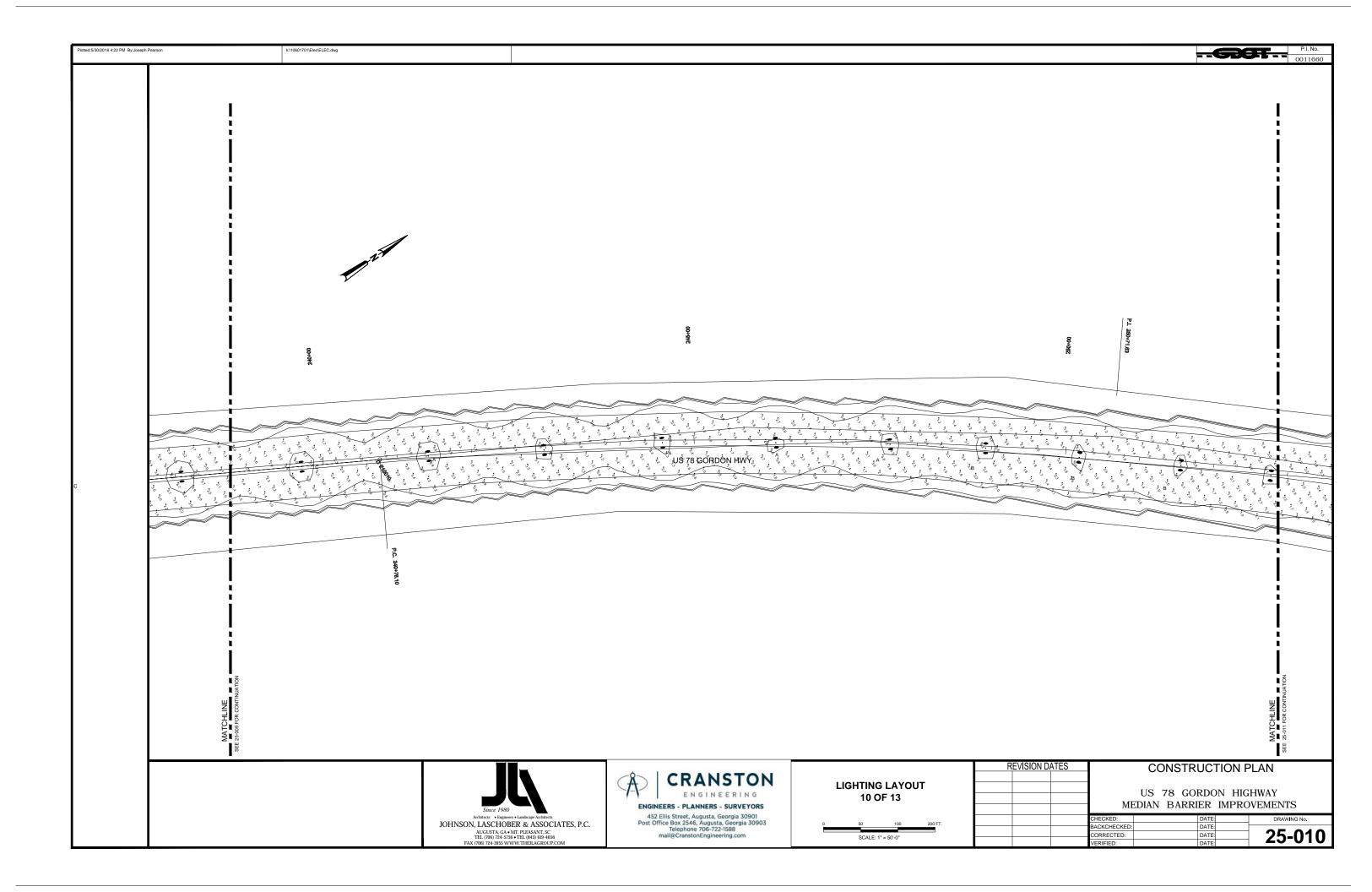


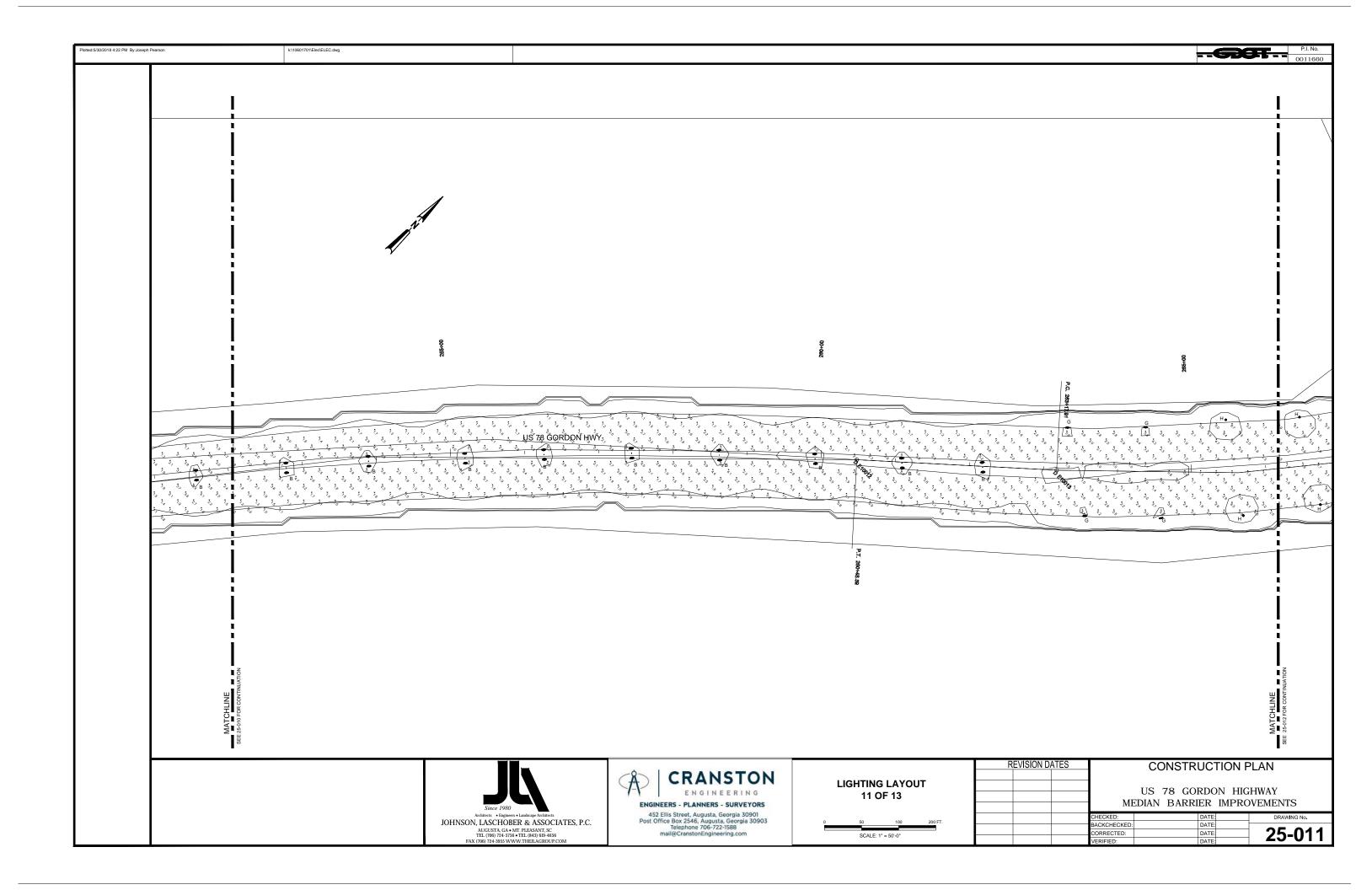


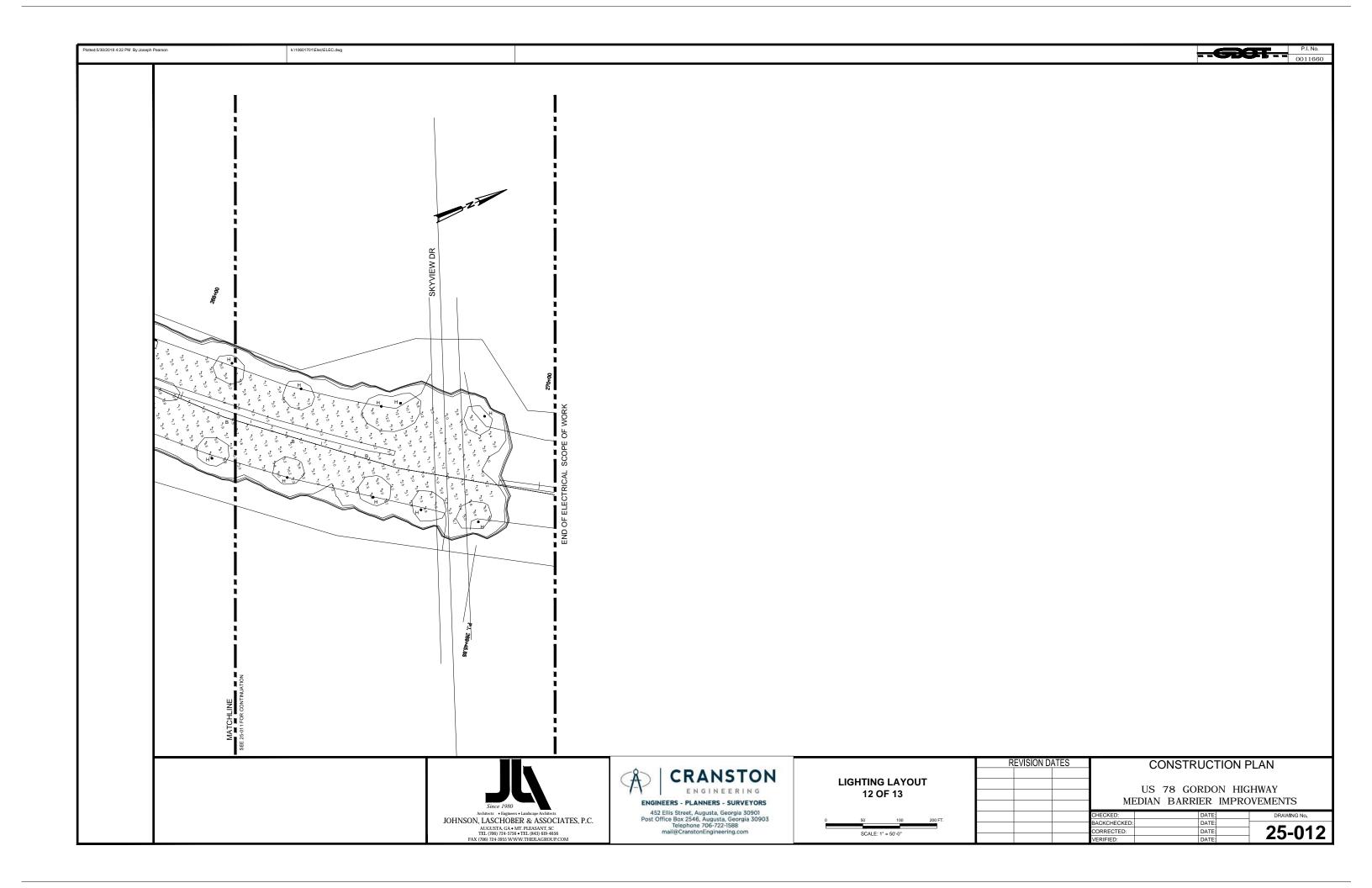




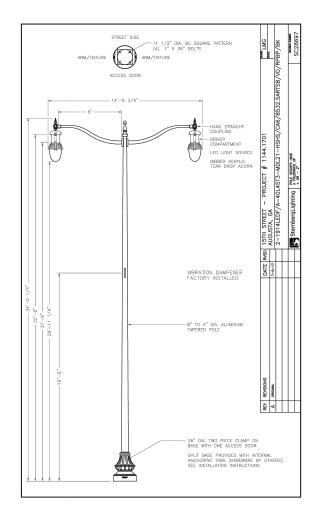


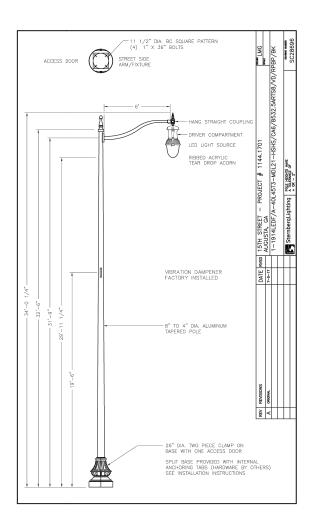






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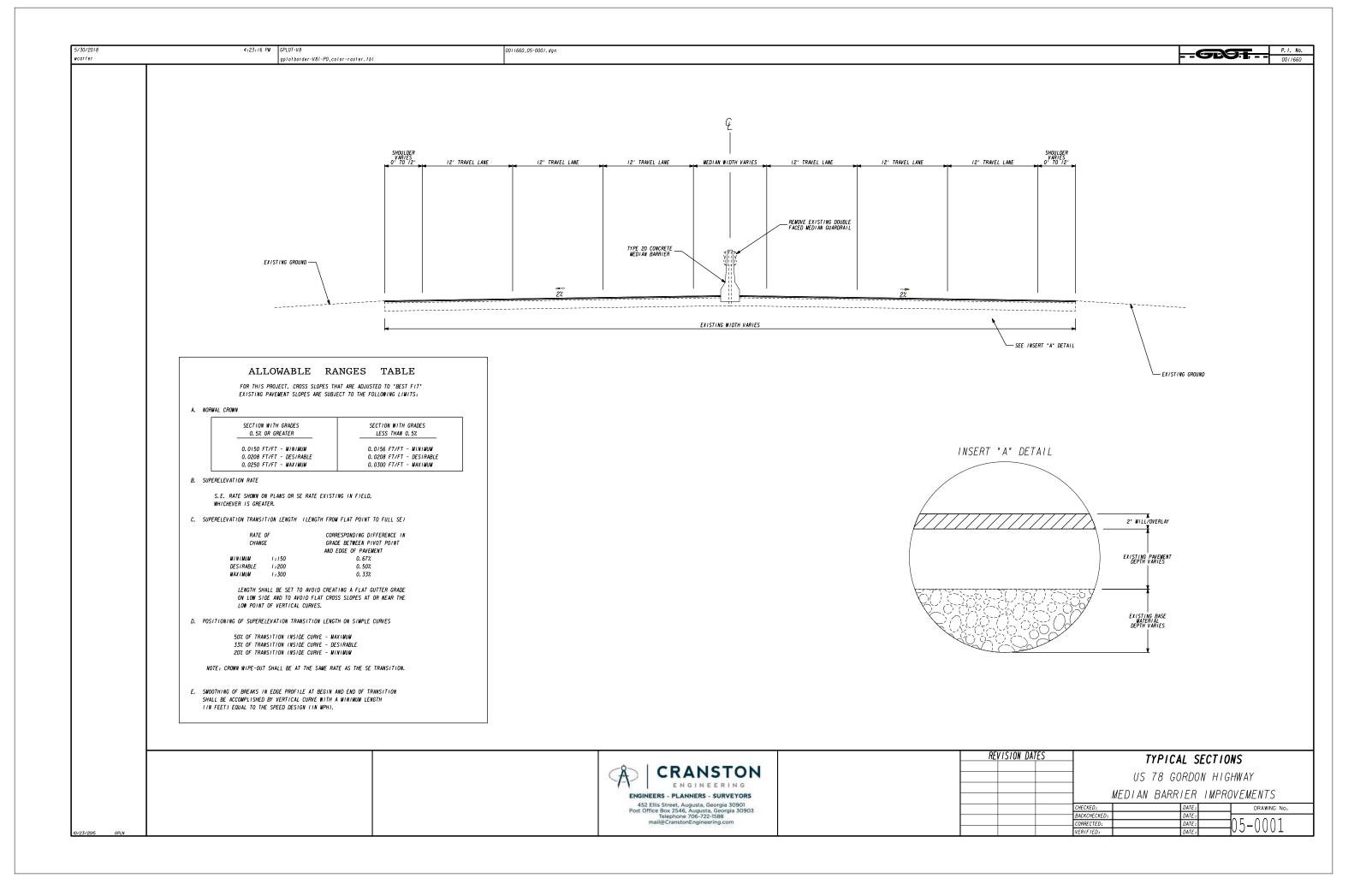


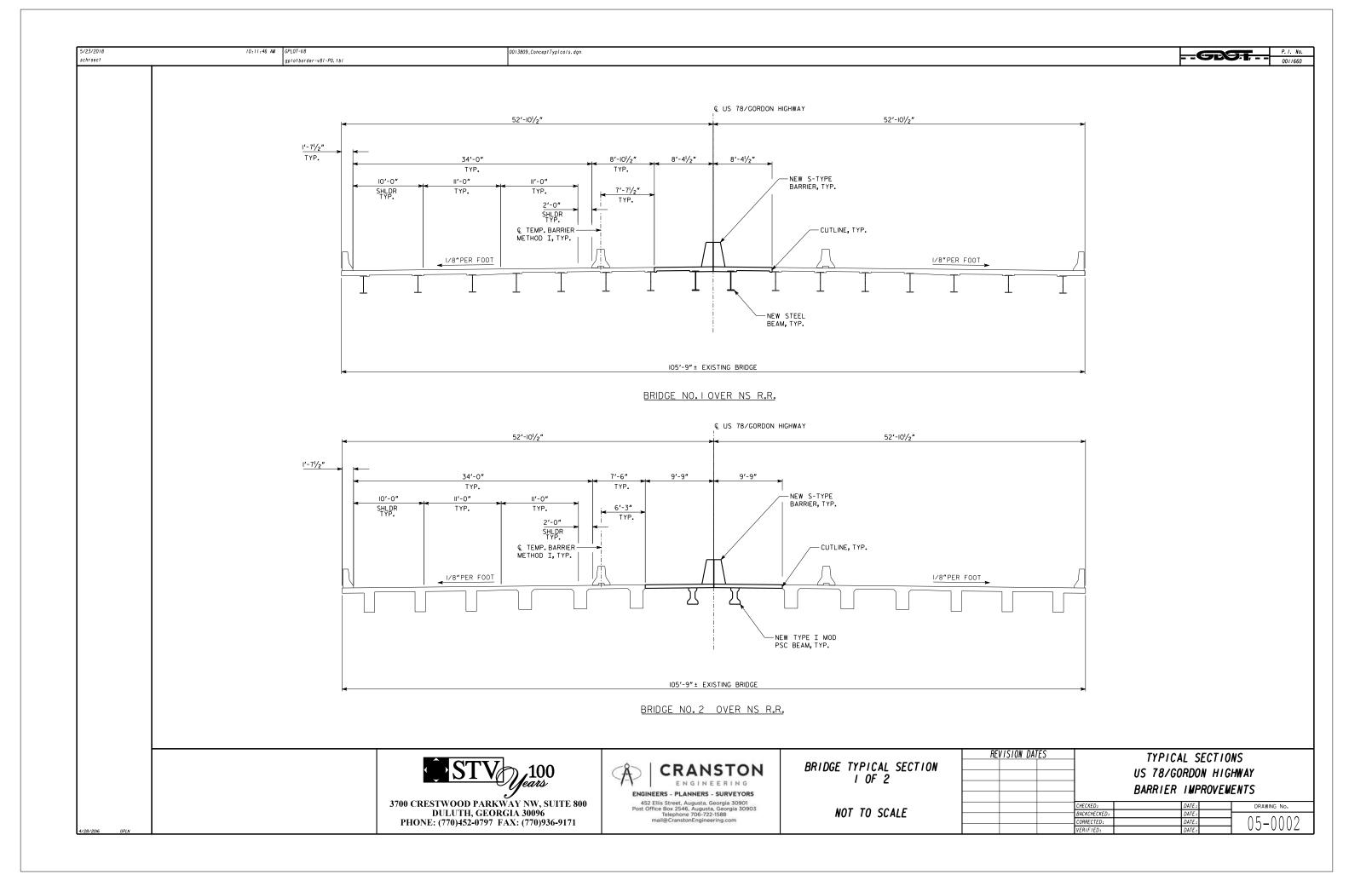


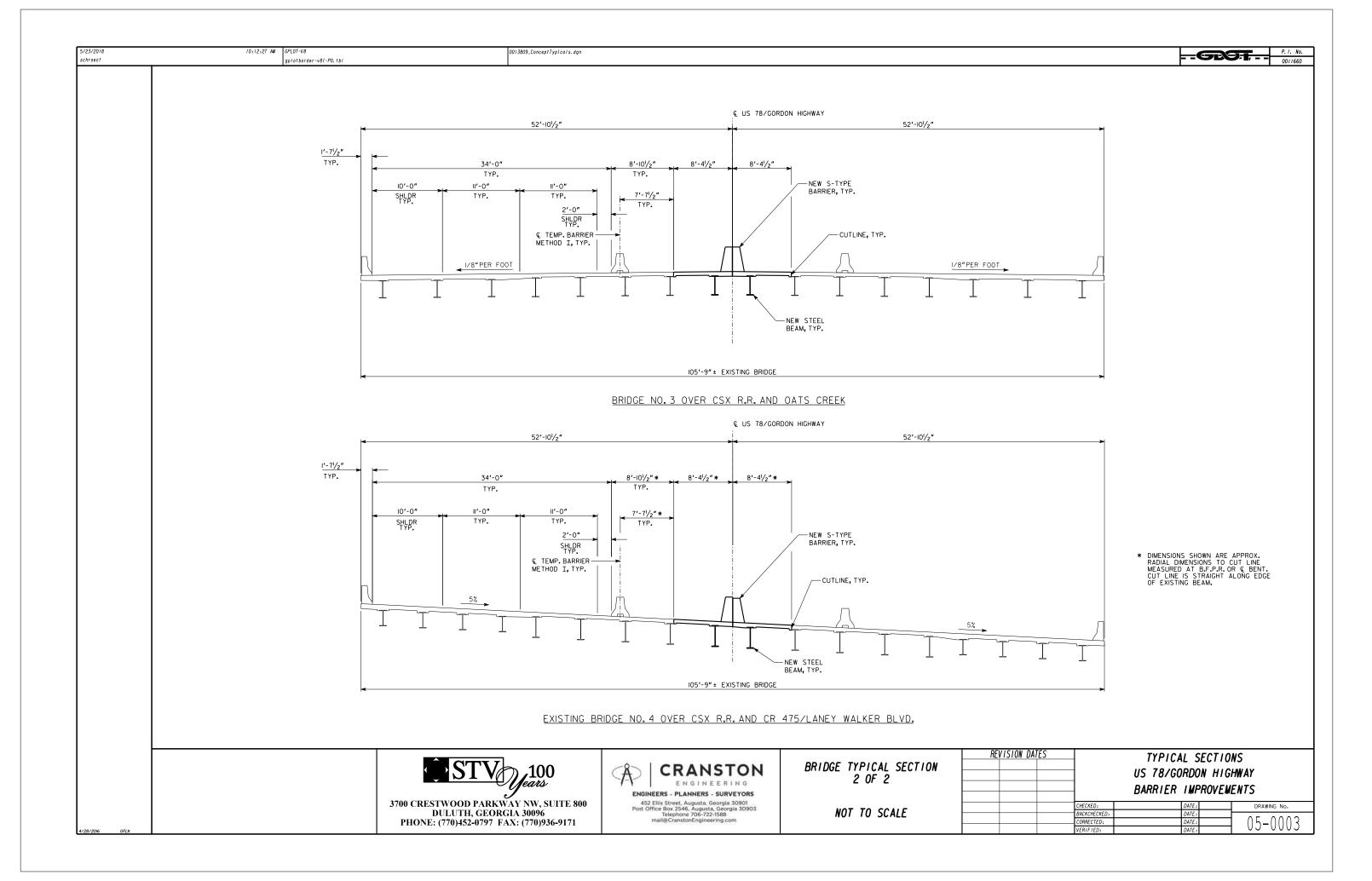
ENGINEERS - PLANNERS - SURVEYORS 452 Ellis Street, Augusta, Georgia 30901 Post Office Box 2546, Augusta, Georgia 30903 Telephone 706-722-1588 mail@CranstonEngineering.com

ELECTRICAL SCHEDULES AND **DETAILS** 13 OF 13

REVISION DATES		CONSTR	UCTION F	PLAN
	I	22		
	US 78 GORDON HIGHWAY			
	MI	EDIAN BARRI	ER IMPRO	VEMENTS
	CHECKED:		DATE:	DRAWING No.
	BACKCHECKED:		DATE:	
	CORRECTED:		DATE:	25-013
	VERIFIED:		DATE:	25-015







DATE : 06/20/2018

PAGE : 1

JOB ESTIMATE REPORT

JOB NUMBER: 0011660 SPEC YEAR: 13

DESCRIPTION: GORDON HWY/U.S. 78 MEDIAN BARRIER BTWNU.S. 25 AND WALTON WAY

ITEMS FOR JOB 0011660

	ITEM		DESCRIPTION	QUANTITY	PRICE	AMOUNT
				1.000	912185.85	912185.86
0010	163-0001	LS	TRAFFIC CONTROL - CONCEPTUAL EROSION CONTROL, NON-REFUNDABLE DEDUCT CLEARING & GRUBBING - REM EXIST TREES CLEARING & GRUBBING - SOIL REMOVAL RECYL AC 12.5MM SP,GP2,BM&HL TACK COAT MILL ASPH CONC PVMT/ 2 DEP CONC HEADER CURB, 6, TP 2 CONC CURB & GUTTER/ 6X24TP2 CONC MEDIAN, 6 IN REM OF EX BR, STA NO - BRIDGE NO 1 REM OF EX BR, STA NO - BRIDGE NO 3	1.000	182437.17	182437.17
	201-1500	LS	CLEARING & GRUBBING - REM EXIST TREES	1.000	11250.00	11250.00
0020	201-1500	LS	CLEARING & GRUBBING - SOIL REMOVAL	1.000	10800.00	10800.00
0025	402-3130	TN	RECYL AC 12.5MM SP,GP2,BM&HL	22720.000	67.65	1537008.68
0030	413-0750	GL	TACK COAT	18589.000	2.25	41825.25
0035	432-0208	SY	MILL ASPH CONC PVMT/ 2 DEP	206540.000	1.00	206540.00
0040	441-5002	LF	CONC HEADER CURB, 6, TP 2	712.000	22.60	16095.23
0045	441-6012	LF	CONC CURB & GUTTER/ 6X24TP2 CONC MEDIAN, 6 IN REM OF EX BR, STA NO - BRIDGE NO 1 REM OF EX BR, STA NO - BRIDGE NO 2 REM OF EX BR, STA NO - BRIDGE NO 3 REM OF EX BR, STA NO - BRIDGE NO 4 CONSTR OF BRIDGE COMPLETE - BRIDGE NO 1 CONSTR OF BRIDGE COMPLETE - BRIDGE NO 2 CONSTR OF BRIDGE COMPLETE - BRIDGE NO 3	8925.000	39.96	356683.07
0050	441-0748	SY	CONC MEDIAN, 6 IN	4345.000	42.80	185984.42
0055	540-1101	LS	REM OF EX BR, STA NO - BRIDGE NO 1	1.000	115175.00	115175.00
0060	540-1101	LS	REM OF EX BR, STA NO - BRIDGE NO 2	1.000	127600.00	127600.00
0065		LS	REM OF EX BR, STA NO - BRIDGE NO 3	1.000	70850.00	70850.00
0070	540-1101	LS	REM OF EX BR, STA NO - BRIDGE NO 4	1.000	105000.00	105000.00
0075	543-9000	LS	CONSTR OF BRIDGE COMPLETE - BRIDGE NO 1	1.000	691050.00	691050.00
0800	543-9000	LS	CONSTR OF BRIDGE COMPLETE - BRIDGE NO 2	1.000	765600.00	765600.00
0085	543-9000	LS	CONSTR OF BRIDGE COMPLETE - BRIDGE NO 3	1.000	425100.00	425100.00
0090	543-9000	110	CONSTR OF BRIDGE COMPLETE - BRIDGE NO 4	1.000	630000.00	630000.00
0095	610-0714	SY	REM CONC MEDIAN	11390.000	30.00	341700.00
0100	610-1055	LF	REM GUARDRAIL	5136.000	1.27 2.25	6525.19
0105	610-1065	LF	REM GUARDRAIL DBL FACE	9470.000	2.25	21307.50
0110	610-1075	EA	REM GUARDRAIL ANCH, ALL TYPES	7.000	362.90	
	610-9001	EA EA LF LF SF SF LF EA EA	REM SIGN	102.000	37.30	3804.60
	611-3000	EA	RECONSTR CATCH BASIN, GROUP 1	11.000	2417.45 80.00 85.00	26592.01
0125	621-3020	LF	CONCRETE BARRIER, TYPE 20	8220.000	80.00	657600.00
	621-3021	LF	CONCRETE BARRIER, TYPE 21	3900.000	85.00	331500.00
	636-1033	SF	HWY SIGNS, TP1MAT, REFL SH TP 9	357.000	16.21	
	636-1036	SF	HWY SGN, TP1MAT, REFL SH TP 11	379.000	21.00	7959.00
	636-1041	SF	HWY SIGNS, TP 2MAT, REFL SH TP 9	162.000	41.39 10.69	6705.42
	636-2080	LF	GALV STEEL POSTS, TP 8	900.000	10.69	9628.35
	648-1350	EA	IMPACT ATT UNIT, TP-P- 3-B-30	8.000	20113.08	160904.65
	653-0120	EA	THERM PVMT MARK, ARROW, TP 2	83.000	80.26	
	653-0160	EA	THERM PVMT MARK, ARROW, TP 6	6.000	90.00	540.00
	653-0210	EA	THERM PVMT MARK, WORD , TP 1	40.000	160.84	6433.62
	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	69696.000	160.84 0.47 0.47	32844.94
	653-1502	LF	THERMO SOLID TRAF ST, 5 IN YEL	46401.000	0.47	22193.60
	653-1704	LF	THERM SOLID TRAF STRIPE, 24, WH	905.000	7.06	6390.85
	653-1706	LF	THERM SLD TRAF STRP,24 IN,YLW	360.000	7.25 2535.63	2610.00
0195	668-2100	EA	REM CONC MEDIAN REM GUARDRAIL REM GUARDRAIL DBL FACE REM GUARDRAIL ANCH, ALL TYPES REM SIGN RECONSTR CATCH BASIN, GROUP 1 CONCRETE BARRIER, TYPE 20 CONCRETE BARRIER, TYPE 21 HWY SIGNS, TP1MAT, REFL SH TP 9 HWY SGN, TP1MAT, REFL SH TP 11 HWY SIGNS, TP 2MAT, REFL SH TP 9 GALV STEEL POSTS, TP 8 IMPACT ATT UNIT, TP-P- 3-B-30 THERM PVMT MARK, ARROW, TP 2 THERM PVMT MARK, ARROW, TP 1 THERMO SOLID TRAF ST 5 IN, WHI THERMO SOLID TRAF ST, 5 IN YEL THERM SLD TRAF STRP, 24 IN, YLW DROP INLET, GP 1	19.000	2535.63	48177.15

STATE HIGHWAY AGENCY

DATE : 06/20/2018

PAGE : 2

JOB ESTIMATE REPORT

0200	681-3600	 EA	LIGHTING STD, SPCL DES 30 FT MH, SINGLE 6 FT ARM	71.000	3500.00	248500.00
0205	681-3600	EA	LIGHTING STD, SPCL DES 30 FT MH, DUAL 6 FT ARM	77.000	3000.00	231000.00
0210	681-6336	EA	LUMINAIRE, TP 3, 200W, HP SODIUM	225.000	2500.00	562500.00
0215	682-3424	LF	MULT CD CBL, TP RHW, 2-#2-1-#4	3900.000	9.00	35100.00
0220	682-3666	LF	MULT COND CABLE, TP RHH/RHW, 3-#6	18000.000	7.00	126000.00
0225	682-6120	LF	CONDUIT, RIGID, 2 IN	21900.000	20.81	455795.72
0230	682-8525	EA	ELEC PWR SVC ASSBLY (UNDERG SERV POINT)	13.000	10000.00	130000.00
0235	683-7050	EA	HIGH MAST LUM, 4K TP V MED, 252 W LED	2.000	80000.00	160000.00
0240	702-0006	EA	ABELIA X GRANDIFLORA - 5 FT - 6 FT HT	2000.000	30.00	60000.00
0245	702-0112	EA	CAMELLIA SASANQUA - 8 FT - 10 FT HT	13.000	250.00	3250.00
0250	702-0542	EA	LAGERSTROEMIA INDICA - 8 FT - 10 FT HT	48.000	850.00	40800.00
0255	702-0630	EA	MAGNOLIA GRANDIFLORA - LITTLE GEM, 15 FT - 20 FT HT	9.000	1000.00	9000.00
0260	702-9025	SY	LANDSCAPE MULCH	4150.000	4.45	18492.73
0265	708-1000	CY	PLANT TOPSOIL	900.000	40.50	36450.00
ITEM	TOTAL TED ITEM TOTAL					10216481.59 10216481.61
TOTAL	S FOR JOB 0011660					
ESTIM	ATED COST:					10216481.61
CONTI	NGENCY PERCENT (0.0):				0.00
ESTIM	ATED TOTAL:					10216481.61

Cranston Engineering
March 21, 2018
PI No. 0011660 Richmond County
TIA No. RC07-001215



GDOT TIA PM: Eric Wilkinson Consultant PM: Scott Williams

Consultant Lead Engineer: David Mills

Consultant Environmental NEPA Lead: Josh Earhart - EPI

STV: Bridge Design – Jeff Church

Milestone Schedule	Scheduled Delivery Date	Actual Delivery Date
Task Order #1		
CEG given NTP		1/2/2018
Preliminary Mapping Completed		3/12/2018
Mapping Control Completed	3/30/2018	
Lighting Photometric & Poles Located	4/16/2018	
Concept Layout Plan Sheets Completed	4/30/2018	
Environmental Screenings Completed	5/14/2018	
Concept Lighting Layout Completed w/ Cost Estimate	5/21/2018	
Bridge Typical Sections & Alternatives w/ Cost Estimate	5/21/2018	
CEG Submits Draft Concept Report	5/25/2018	
Mapping Database & Control Package Completed	5/30/2018	
TIA PM Submits Draft Concept Report	5/30/2018	
Concept Team Meeting (if necessary)	6/22/2018	
CEG Submits Final Concept Report	6/29/2018	
Concept Report Approval	7/25/2018	
Task Order #2		
NTP		
CEG Submit for PFPR		
PM Request PFPR		
PFPR		

- Settimio completed the aerial mapping flight and has submitted a preliminary ortho for starting the conceptual layout.
- Cranston has started survey control and locating the picture points for the aerial mapping.
- Lighting and Landscaping Coordination meeting to take place today.

Coordination:

- Database Preparation (CEG)): 30% Complete
 - Aerial mapping flight Complete
 - o Processing mapping data
 - Surveying picture points
 - Setting Control in Field
- Concept (CEG): 5% Complete
 - Permits needed: None
 - Held Project Kickoff/ICTM with GDOT TIA on 8/3/17
 - o Concept Plan Layout
 - Concept Report and Construction Cost Estimate
- Hydraulic Analysis (CEG): 0% Complete
 - Check drainage impacts to existing storm system
- Bridge Barrier (STV): 0% Complete
 - Research existing structures
 - Conceptual Sections
- Environmental (EPI): 10% Complete
 - o Permits needed:None
 - o Background research
 - Historic Resources
 - o Archaeological Resources
 - Ecology
 - o Air & Noise N/A
- Lighting (JLA): 0% Complete
 - Concept Planning Meeting 3/21/18
 - Local Lighting Commitment Letter Status:

Action Items

Task	Assigned to	Complete by Date
Set centerline based on prelim Orthos	Dave Mills – CEG	Complete by 3/23/2018
Concept design for light pole layout and photometric	Curtis Williamson – JLA	Complete by 4/16/2018
Assess bridge section options	Josh Stamm – STV	Complete by 4/23/2018

Next Coordination Meeting

• 3rd Wednesday each month

Cranston Engineering
April 25, 2018
PI No. 0011660 Richmond County
TIA No. RC07-001215



GDOT TIA PM: Eric Wilkinson Consultant PM: Scott Williams

Consultant Lead Engineer: David Mills

Consultant Environmental NEPA Lead: Josh Earhart - EPI

STV: Bridge Design – Jeff Church

Milestone Schedule	Scheduled Delivery Date	Actual Delivery Date
Task Order #1		
CEG given NTP		1/2/2018
Preliminary Mapping Completed		3/12/2018
Mapping Control Completed	3/30/2018	3/30/2018
Lighting Photometric & Poles Located	4/16/2018	
Concept Layout Plan Sheets Completed	4/30/2018	
Environmental Screenings Completed	5/14/2018	
Concept Lighting Layout Completed w/ Cost Estimate	5/21/2018	
Bridge Typical Sections & Alternatives w/ Cost Estimate	5/21/2018	
CEG Submits Draft Concept Report	5/25/2018	
Mapping Database & Control Package Completed	5/30/2018	
TIA PM Submits Draft Concept Report	5/30/2018	
Concept Team Meeting (if necessary)	6/22/2018	
CEG Submits Final Concept Report	6/29/2018	
Concept Report Approval	7/25/2018	
Task Order #2	<u>, </u>	
NTP		
CEG Submit for PFPR		
PM Request PFPR		
PFPR		

- Settimio is working to finalize mapping.
- Cranston is continuing to complete survey control. Picture points for the aerial mapping are complete.
- JLA is finalizing concept lighting layout.
- STV is reviewing barrier options for bridge crossings.

Coordination:

- Database Preparation (CEG)): 70% Complete
 - Aerial mapping flight Complete
 - o Processing mapping data
 - Surveying picture points Complete
 - Setting Control in Field
- Concept (CEG): 45% Complete
 - o Permits needed: None
 - Held Project Kickoff/ICTM with GDOT TIA on 8/3/17
 - Concept Centerline set
 - Concept Plan Layout
 - Concept Report and Construction Cost Estimate
- Hydraulic Analysis (CEG): 20% Complete
 - Check drainage impacts to existing storm system
- Bridge Barrier (STV): 20% Complete
 - Research existing structures
 - Meet with GDOT Structural Office to coordinate barrier required
 - Conceptual Sections
- Environmental (EPI): 50% Complete
 - o Permits needed:None
 - o Background research
 - o Historic Resources
 - o Archaeological Resources
 - Ecology
 - Air & Noise N/A
- Lighting (JLA): 50% Complete
 - Concept Planning Meeting 3/21/18
 - o Local Lighting Commitment Letter Status:

Action Items

Task	Assigned to	Complete by Date
Set centerline based on prelim Orthos	Dave Mills – CEG	Complete by 3/23/2018
Concept design for light pole layout and photometric	Curtis Williamson – JLA	Complete by 4/16/2018
Assess bridge section options	Josh Stamm – STV	Complete by 4/23/2018

Next Coordination Meeting

• 3rd Wednesday each month

Cranston Engineering
April 25, 2018
PI No. 0011660 Richmond County
TIA No. RC07-001215



GDOT TIA PM: Eric Wilkinson Consultant PM: Scott Williams

Consultant Lead Engineer: David Mills

Consultant Environmental NEPA Lead: Josh Earhart - EPI

STV: Bridge Design – Jeff Church

Milestone Schedule	Scheduled Delivery Date	Actual Delivery Date
Task Order #1		
CEG given NTP		1/2/2018
Preliminary Mapping Completed		3/12/2018
Mapping Control Completed	3/30/2018	3/30/2018
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Bridge Typical Sections & Alternatives w/ Cost Estimate	5/21/2018	
CEG Submits Draft Concept Report	5/25/2018	
Mapping Database & Control Package Completed	5/30/2018	
TIA PM Submits Draft Concept Report	5/30/2018	
Concept Team Meeting (if necessary)	6/22/2018	
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Concept Report Approval	7/25/2018	
Task Order #2	<u>, </u>	
NTP		
CEG Submit for PFPR		
PM Request PFPR		
PFPR		

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- Database Preparation (CEG)): 70% Complete
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 - o Processing mapping data
 - Surveying picture points Complete
 - Setting Control in Field
- Concept (CEG): 45% Complete
 - o Permits needed: None
 - Held Project Kickoff/ICTM with GDOT TIA on 8/3/17
 - Concept Centerline set
 - Concept Plan Layout
 - Concept Report and Construction Cost Estimate
- Hydraulic Analysis (CEG): 20% Complete
 - Check drainage impacts to existing storm system
- Bridge Barrier (STV): 20% Complete
 - Research existing structures
 - Meet with GDOT Structural Office to coordinate barrier required
 - Conceptual Sections
- Environmental (EPI): 50% Complete
 - o Permits needed:None
 - o Background research
 - o Historic Resources
 - o Archaeological Resources
 - Ecology
 - Air & Noise N/A
- Lighting (JLA): 50% Complete
 - Concept Planning Meeting 3/21/18
 - o Local Lighting Commitment Letter Status:

Action Items

Task	Assigned to	Complete by Date
Set centerline based on prelim Orthos	Dave Mills – CEG	Complete by 3/23/2018
Concept design for light pole layout and photometric	Curtis Williamson – JLA	Complete by 4/16/2018
Assess bridge section options	Josh Stamm – STV	Complete by 4/23/2018

Next Coordination Meeting

• 3rd Wednesday each month

Cranston Engineering
April 25, 2018
PI No. 0011660 Richmond County
TIA No. RC07-001215



GDOT TIA PM: Eric Wilkinson Consultant PM: Scott Williams

Consultant Lead Engineer: David Mills

Consultant Environmental NEPA Lead: Josh Earhart - EPI

STV: Bridge Design – Jeff Church

Milestone Schedule	Scheduled Delivery Date	Actual Delivery Date
Task Order #1		
CEG given NTP		1/2/2018
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Task Order #2	<u>, </u>	
NTP		
CEG Submit for PFPR		
PM Request PFPR		
PFPR		

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 - o Processing mapping data
 - Surveying picture points Complete
 - Setting Control in Field
- Concept (CEG): 45% Complete
 - o Permits needed: None
 - Held Project Kickoff/ICTM with GDOT TIA on 8/3/17
 - Concept Centerline set
 - Concept Plan Layout
 - Concept Report and Construction Cost Estimate
- Hydraulic Analysis (CEG): 20% Complete
 - Check drainage impacts to existing storm system
- Bridge Barrier (STV): 20% Complete
 - Research existing structures
 - Meet with GDOT Structural Office to coordinate barrier required
 - Conceptual Sections
- Environmental (EPI): 50% Complete
 - o Permits needed:None
 - o Background research
 - o Historic Resources
 - o Archaeological Resources
 - Ecology
 - Air & Noise N/A
- Lighting (JLA): 50% Complete
 - Concept Planning Meeting 3/21/18
 - o Local Lighting Commitment Letter Status:

Action Items

Task	Assigned to	Complete by Date
Set centerline based on prelim Orthos	Dave Mills – CEG	Complete by 3/23/2018
Concept design for light pole layout and photometric	Curtis Williamson – JLA	Complete by 4/16/2018
Assess bridge section options	Josh Stamm – STV	Complete by 4/23/2018

Next Coordination Meeting

• 3rd Wednesday each month

Cranston Engineering
April 25, 2018
PI No. 0011660 Richmond County
TIA No. RC07-001215



GDOT TIA PM: Eric Wilkinson Consultant PM: Scott Williams

Consultant Lead Engineer: David Mills

Consultant Environmental NEPA Lead: Josh Earhart - EPI

STV: Bridge Design – Jeff Church

Milestone Schedule	Scheduled Delivery Date	Actual Delivery Date
Task Order #1		
CEG given NTP		1/2/2018
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Concept Report Approval	7/25/2018	
Task Order #2	<u>, </u>	
NTP		
CEG Submit for PFPR		
PM Request PFPR		
PFPR		

- Settimio is working to finalize mapping.
- Cranston is continuing to complete survey control. Picture points for the aerial mapping are complete.
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Coordination:

- Database Preparation (CEG)): 70% Complete
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 - o Processing mapping data
 - Surveying picture points Complete
 - Setting Control in Field
- Concept (CEG): 45% Complete
 - o Permits needed: None
 - Held Project Kickoff/ICTM with GDOT TIA on 8/3/17
 - Concept Centerline set
 - Concept Plan Layout
 - Concept Report and Construction Cost Estimate
- Hydraulic Analysis (CEG): 20% Complete
 - Check drainage impacts to existing storm system
- Bridge Barrier (STV): 20% Complete
 - Research existing structures
 - Meet with GDOT Structural Office to coordinate barrier required
 - Conceptual Sections
- Environmental (EPI): 50% Complete
 - o Permits needed:None
 - o Background research
 - o Historic Resources
 - o Archaeological Resources
 - Ecology
 - Air & Noise N/A
- Lighting (JLA): 50% Complete
 - Concept Planning Meeting 3/21/18
 - o Local Lighting Commitment Letter Status:

Action Items

Task	Assigned to	Complete by Date
Set centerline based on prelim Orthos	Dave Mills – CEG	Complete by 3/23/2018
Concept design for light pole layout and photometric	Curtis Williamson – JLA	Complete by 4/16/2018
Assess bridge section options	Josh Stamm – STV	Complete by 4/23/2018

Next Coordination Meeting

3rd Wednesday each month

Cranston Engineering
April 25, 2018
PI No. 0011660 Richmond County
TIA No. RC07-001215



GDOT TIA PM: Eric Wilkinson Consultant PM: Scott Williams

Consultant Lead Engineer: David Mills

Consultant Environmental NEPA Lead: Josh Earhart - EPI

STV: Bridge Design – Jeff Church

Milestone Schedule	Scheduled Delivery Date	Actual Delivery Date
Task Order #1		
CEG given NTP		1/2/2018
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Concept Layout Plan Sheets Completed	4/30/2018	
Environmental Screenings Completed	5/14/2018	
Concept Lighting Layout Completed w/ Cost Estimate	5/21/2018	
Bridge Typical Sections & Alternatives w/ Cost Estimate	5/21/2018	
CEG Submits Draft Concept Report	5/25/2018	
Mapping Database & Control Package Completed	5/30/2018	
TIA PM Submits Draft Concept Report	5/30/2018	
Concept Team Meeting (if necessary)	6/22/2018	
CEG Submits Final Concept Report	6/29/2018	
Concept Report Approval	7/25/2018	
Task Order #2	<u>, </u>	
NTP		
CEG Submit for PFPR		
PM Request PFPR		
PFPR		

- Settimio is working to finalize mapping.
- Cranston is continuing to complete survey control. Picture points for the aerial mapping are complete.
- JLA is finalizing concept lighting layout.
- STV is reviewing barrier options for bridge crossings.

Coordination:

- Database Preparation (CEG)): 70% Complete
 - Aerial mapping flight Complete
 - o Processing mapping data
 - Surveying picture points Complete
 - Setting Control in Field
- Concept (CEG): 45% Complete
 - o Permits needed: None
 - Held Project Kickoff/ICTM with GDOT TIA on 8/3/17
 - Concept Centerline set
 - Concept Plan Layout
 - Concept Report and Construction Cost Estimate
- Hydraulic Analysis (CEG): 20% Complete
 - Check drainage impacts to existing storm system
- Bridge Barrier (STV): 20% Complete
 - Research existing structures
 - Meet with GDOT Structural Office to coordinate barrier required
 - Conceptual Sections
- Environmental (EPI): 50% Complete
 - o Permits needed:None
 - o Background research
 - o Historic Resources
 - o Archaeological Resources
 - Ecology
 - Air & Noise N/A
- Lighting (JLA): 50% Complete
 - Concept Planning Meeting 3/21/18
 - o Local Lighting Commitment Letter Status:

Action Items

Task	Assigned to	Complete by Date
Set centerline based on prelim Orthos	Dave Mills – CEG	Complete by 3/23/2018
Concept design for light pole layout and photometric	Curtis Williamson – JLA	Complete by 4/16/2018
Assess bridge section options	Josh Stamm – STV	Complete by 4/23/2018

Next Coordination Meeting

3rd Wednesday each month

Cranston Engineering
April 25, 2018
PI No. 0011660 Richmond County
TIA No. RC07-001215



GDOT TIA PM: Eric Wilkinson Consultant PM: Scott Williams

Consultant Lead Engineer: David Mills

Consultant Environmental NEPA Lead: Josh Earhart - EPI

STV: Bridge Design – Jeff Church

Milestone Schedule	Scheduled Delivery Date	Actual Delivery Date
Task Order #1		
CEG given NTP		1/2/2018
Preliminary Mapping Completed		3/12/2018
Mapping Control Completed	3/30/2018	3/30/2018
Lighting Photometric & Poles Located	4/16/2018	
Concept Layout Plan Sheets Completed	4/30/2018	
Environmental Screenings Completed	5/14/2018	
Concept Lighting Layout Completed w/ Cost Estimate	5/21/2018	
Bridge Typical Sections & Alternatives w/ Cost Estimate	5/21/2018	
CEG Submits Draft Concept Report	5/25/2018	
Mapping Database & Control Package Completed	5/30/2018	
TIA PM Submits Draft Concept Report	5/30/2018	
Concept Team Meeting (if necessary)	6/22/2018	
CEG Submits Final Concept Report	6/29/2018	
Concept Report Approval	7/25/2018	
Task Order #2	<u>, </u>	
NTP		
CEG Submit for PFPR		
PM Request PFPR		
PFPR		

- Settimio is working to finalize mapping.
- Cranston is continuing to complete survey control. Picture points for the aerial mapping are complete.
- JLA is finalizing concept lighting layout.
- STV is reviewing barrier options for bridge crossings.

Coordination:

- Database Preparation (CEG)): 70% Complete
 - Aerial mapping flight Complete
 - o Processing mapping data
 - Surveying picture points Complete
 - Setting Control in Field
- Concept (CEG): 45% Complete
 - o Permits needed: None
 - Held Project Kickoff/ICTM with GDOT TIA on 8/3/17
 - Concept Centerline set
 - Concept Plan Layout
 - Concept Report and Construction Cost Estimate
- Hydraulic Analysis (CEG): 20% Complete
 - Check drainage impacts to existing storm system
- Bridge Barrier (STV): 20% Complete
 - Research existing structures
 - Meet with GDOT Structural Office to coordinate barrier required
 - Conceptual Sections
- Environmental (EPI): 50% Complete
 - o Permits needed:None
 - o Background research
 - o Historic Resources
 - o Archaeological Resources
 - Ecology
 - Air & Noise N/A
- Lighting (JLA): 50% Complete
 - Concept Planning Meeting 3/21/18
 - o Local Lighting Commitment Letter Status:

Action Items

Task	Assigned to	Complete by Date
Set centerline based on prelim Orthos	Dave Mills – CEG	Complete by 3/23/2018
Concept design for light pole layout and photometric	Curtis Williamson – JLA	Complete by 4/16/2018
Assess bridge section options	Josh Stamm – STV	Complete by 4/23/2018

Next Coordination Meeting

3rd Wednesday each month

Cranston Engineering
May 16, 2018
PI No. 0011660 Richmond County
TIA No. RC07-001215



Meeting Minutes are in red italics.

GDOT TIA PM: Eric Wilkinson Consultant PM: Scott Williams

Consultant Lead Engineer: David Mills

Consultant Environmental NEPA Lead: Josh Earhart - EPI

STV: Bridge Design – Jeff Church

Settimio: Aerial Mapping – Andrew Settimio JLA: Lighting Design Lead – Curtis Williamson

Attendees: Eric Wilkinson, George Brewer (GDOT), Scott Williams, David Mills, Will Carter (CEG), Natalie Glazer (EPI), Joe Powell (JLA), Jeff Church, Josh Stamm (SVT),

Milestone Schedule	Scheduled Delivery Date	Actual Delivery Date
Task Order #1		
CEG given NTP		1/2/2018
Preliminary Mapping Completed		3/12/2018
Mapping Control Completed	3/30/2018	3/30/2018
Lighting Photometric & Poles Located	4/16/2018	4/27/2018
Concept Layout Plan Sheets Completed	4/30/2018	4/30/2018
Environmental Screenings Completed	5/14/2018	5/14/2018
Concept Lighting Layout Completed w/ Cost Estimate	5/21/2018	
Bridge Typical Sections & Alternatives w/ Cost Estimate	5/21/2018	
CEG Submits Draft Concept Report	5/25/2018	
Mapping Database & Control Package Completed	5/30/2018 6/15/2018	
TIA PM Submits Draft Concept Report	5/30/2018	
Concept Team Meeting (if necessary)	6/22/2018	
CEG Submits Final Concept Report	6/29/2018	
Concept Report Approval	7/25/2018	
Task Order #2		
NTP		
CEG Submit for PFPR		
PM Request PFPR		
PFPR		

- Settimio is working to finalize mapping.
- Cranston is continuing to complete survey control.
- JLA is addressing CEG comments to concept lighting layout.
- STV provided information for submission of bridge surveys by GDOT.

Coordination:

- Database Preparation (CEG)): 80% Complete
 - Aerial mapping flight Complete
 - Processing mapping data
 - Surveying picture points Complete
 - Setting Control in Field
 - o Base mapping expected 6/15, after submittal of Draft Concept Report
- Concept (CEG): 75% Complete
 - o Permits needed: None
 - Held Project Kickoff/ICTM with GDOT TIA on 8/3/17
 - o Concept Centerline set
 - o Concept Plan Layout
 - o Concept Report and Construction Cost Estimate
 - Estimate to include possible sign replacement.
 - o Plans to be altered to show project limits from end of existing barrier near Peach Orchard interchange to intersection at Walton Way.
 - o Additional estimate to be provided for work through the Peach Orchard interchange and beyond Walton Way to the beginning of the existing barrier approaching the bridge.
- Hydraulic Analysis (CEG): 50% Complete
 - Check drainage impacts to existing storm system
- Bridge Barrier (STV): 70% Complete
 - Research existing structures
 - Meet with GDOT Structural Office to coordinate barrier required
 - Conceptual Sections
- Environmental (EPI): 80% Complete
 - o Permits needed:None
 - o Background research
 - o Historic Resources
 - o Archaeological Resources
 - Ecology
 - Air & Noise N/A
- Lighting (JLA): 80% Complete
 - Concept Planning Meeting 3/21/18
 - Local Lighting Commitment Letter Status:
 - Lighting plans to begin at barrier to guardrail transition east of Peach Orchard and end at Skyview Rd.
 - Additional estimate to be included for lighting of Peach Orchard interchange.
 - Alternatives to be explored, including high mast or matching decorative style lighting.
 - JLA to include additional estimate for landscaping of median north of Walton Way intersection, including removal of existing trees and guardrail and installation of GDOT approved median trees.

Action Items

Task	Assigned to	Complete by Date
Cost Estimates completed/revised by each discipline.	Dave Mills – CEG Joe Pearson – JLA Josh Stamm - STV	Complete by 5/25/2018
Complete Draft Concept Report	Dave Mills – CEG	Complete by 5/25/2018
Complete Mapping Basemap	Drew Settimio – SCS	Complete by 6/15/2018
CEG to provide draft report to subs for review and discipline-specific input	Dave Mills – CEG	Complete by 5/18/2018
CEG to provide base map with street names, title block logo information to JLA for use in plans	Dave Mills – CEG	Complete by 5/18/2018

Next Coordination Meeting

• 3rd Wednesday each month (May be rescheduled due to Concept Review)

Cranston Engineering
June 20, 2018
PI No. 0011660 Richmond County
TIA No. RC07-001215



Meeting Minutes are in red italics.

GDOT TIA PM: Eric Wilkinson Consultant PM: Scott Williams

Consultant Lead Engineer: David Mills

Consultant Environmental NEPA Lead: Josh Earhart - EPI

STV: Bridge Design – Jeff Church

Settimio: Aerial Mapping – Andrew Settimio JLA: Lighting Design Lead – Curtis Williamson

Attendees: George Brewer (GDOT), Scott Williams, David Mills, Will Carter (CEG), Natalie Glazer (EPI), Joe Powell (JLA), Jeff Church, Josh Stamm (STV)

Milestone Schedule	Scheduled Delivery Date	Actual Delivery Date
Task Order #1		
CEG given NTP		1/2/2018
Preliminary Mapping Completed		3/12/2018
Mapping Control Completed	3/30/2018	3/30/2018
Lighting Photometric & Poles Located	4/16/2018	4/27/2018
Concept Layout Plan Sheets Completed	4/30/2018	4/30/2018
Environmental Screenings Completed	5/14/2018	5/14/2018
Concept Lighting Layout Completed w/ Cost Estimate	5/21/2018	5/21/2018
Bridge Typical Sections & Alternatives w/ Cost Estimate	5/21/2018	5/18/2018
CEG Submits Draft Concept Report	5/25/2018	5/31/2018
Mapping Database & Control Package Completed	5/30/2018 6/15/2018	6/14/2018
TIA PM Submits Draft Concept Report	5/30/2018	
Concept Team Meeting (if necessary)	6/20/2018	
CEG Submits Final Concept Report	6/29/2018	
Concept Report Approval	7/25/2018	
Task Order #2		
NTP		
CEG Submit for PFPR		
PM Request PFPR		
PFPR		

- Settimio has provided finalized mapping.
- Cranston has submitted Draft Concept Report and made revisions per GDOT initial comments.
- Cranston is continuing to complete survey control.

Coordination:

- Database Preparation (CEG)): 90% Complete
 - Aerial mapping flight Complete
 - Processing of mapping data Complete
 - Surveying picture points Complete
 - Setting Control in Field Nearly Complete
 - No submittal needed
- Concept (CEG): 90% Complete
 - o Permits needed: None
 - Held Project Kickoff/ICTM with GDOT TIA on 8/3/17
 - o Concept Centerline set
 - o Concept Plan Layout Complete
 - Draft Concept Report and Construction Cost Estimate Submitted
- Hydraulic Analysis (CEG): 90% Complete
 - Check drainage impacts to existing storm system
- Bridge Barrier (STV): 95% Complete
 - Research existing structures
 - Meet with GDOT Structural Office to coordinate barrier required
 - Conceptual Sections and Cost Estimates Complete
 - GDOT conducting Bridge Condition Survey and Bridge Deck Condition Survey awaiting results
 - CEG to forward emails from GDOT bridge survey crew to STV
 - Do not anticipate responses needed from STV
- Environmental (EPI): 90% Complete
 - o Permits needed: None
 - Background research Completed
 - o Historic Resources
 - o Archaeological Resources
 - Ecology- N/A
 - o Air & Noise N/A
 - EPI to coordinate with GDOT Environmental to determine needs for Right of Entry letters
 - Resource ID for History and Ecology will be needed for any field work under TO#2
- Lighting (JLA): 95% Complete
 - Local Lighting Commitment Letter Status:

Action Items

Task	Assigned to	Complete by Date
Complete Final Concept Report	Dave Mills – CEG	Complete by 6/29/2018
Full Design Schedule	Dave Mills – CEG	6/27/2018
Coordinate mtg. with EPI & GDOT Environmental	Natalie Glazer – EPI	6/27/2018

Next Coordination Meeting

- Status Meeting Tentatively scheduled for 7/18/18 (May be cancelled if not needed)
- Concept report approval scheduled for 7/25/2018
- TO#2 to include through Final Design
 - o No construction assistance

Environmental Screening Survey

Project Name: Gordon Highway/U.S. 78 Median Barrier Improvements

County: Richmond PI 0011660

Consultant Firms: Edwards-Pitman Environmental, Inc. for Cranston Engineering

Date: May 4, 2018

Site Description:

The proposed project would involve improving/installing median barriers and lighting upgrades on Gordon Highway/U.S. 78 in Augusta, Richmond County, Georgia. Improvements include replacing the median guardrails with concrete barriers, installing storm drainage structures and outlets, and upgrading or adding lighting fixtures. The project limits would extend from Peach Orchard Road (U.S. 25) to Walton Way. The project limits are displayed on the Project Location Map, page 2.

General Land Use Description:

Land use within the project corridor is mainly commercial and industrial along both sides of Gordon Highway/U.S. 78.

Ecol	ogy:
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Author: Evan Seal

Date Surveyed: April 13, 2018

Ecological Resource(s) Identified: Yes \boxtimes No \square

Resource Type: Stream \square Wetland \boxtimes Open Water \boxtimes T&E/Habitat \boxtimes

Streams/Wetlands:

On April 13, 2018 a drive-through screening survey for environmental resources located within and immediately adjacent to the project corridor was performed on both sides of the road.

The screening survey identified three jurisdictional waters of the US; one open water and two wetlands. These resources are located on the attached Waters of the U.S. Maps, pages 3-4. This information is for planning purposes only and is based upon a drive-through survey of the corridor and full delineation of the waters of the U.S. should be performed prior to project permitting and construction.

Protected Species:

As a part of the environmental screening, the US Fish and Wildlife Service's (USFWS) Information for Planning and Conservation (IPaC) website and the Georgia Department of Natural Resource (GADNR) website were consulted for information regarding potential impacts to federally protected species related to implementation of the proposed project. The USFWS IPaC list identifies four species of concern within Richmond County: the Red-cockaded Woodpecker (*Picoides borealis*), the Wood Stork (*Mycteria Americana*), Gopher Tortoise (*Gopherus Polyphemus*), and Relict Trillium (*Trillium reliquum*). The GADNR website lists the following species of concern as occurring within a three-mile radius of the proposed project site: the Aiken Hawthorn (*Crataegus dispar*), Carolina Slabshell (*Elliptio congaraea*), Atlantic Pigtoe (*Fusconaia masoni*), Cuthbert Holly (*Ilex cuthbertii*), Tidewater Mucket (*Leptodea ochracea*), Yellow-crowned Night-heron (*Nyctanassa violacea*), Painted Bunting (*Passerina ciris*), and Georgia Aster (*Symphyotrichum georgianum*).

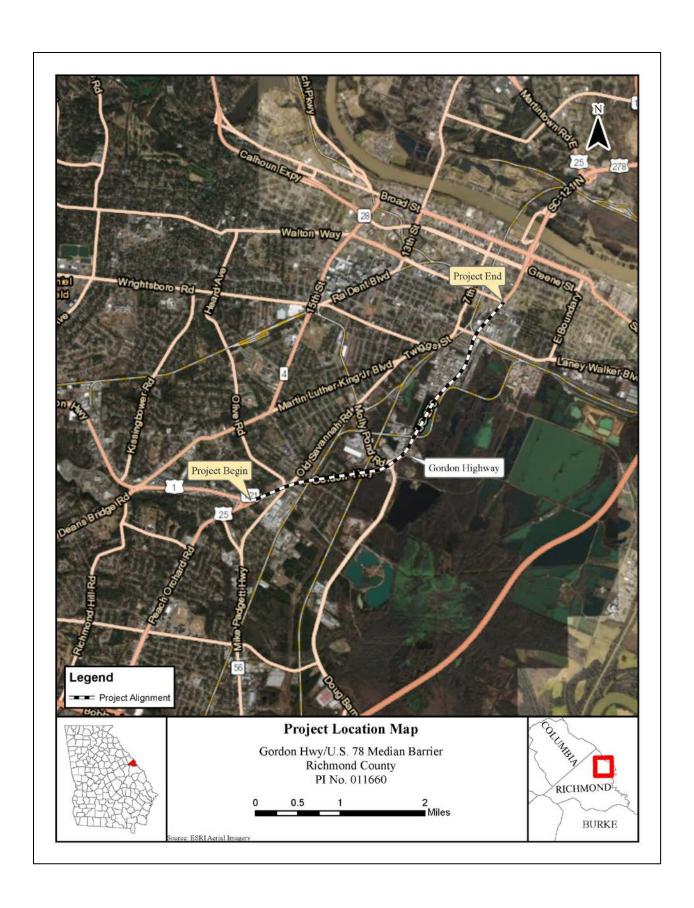






Table 1: Protected Species Within Project Corridor

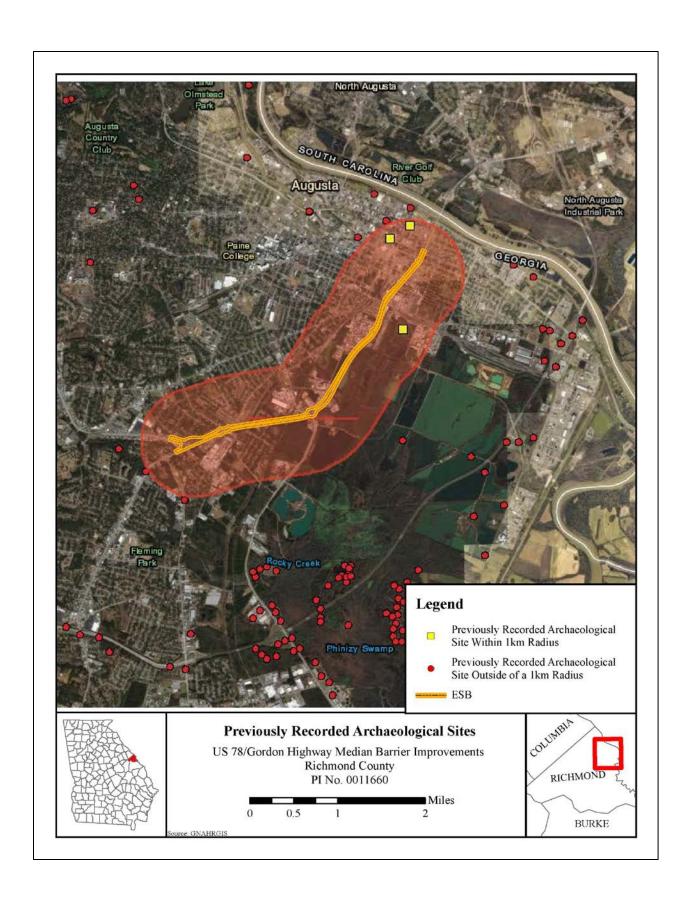
Scientific Name	Common Name	Federal	State	Habitat Present*	Survey Required
Red-cockaded Woodpecker	Picoides borealis	Е	Е	No	No
Wood Stork	Mycteria Americana	Т	E	Yes	Yes – can be conducted year-round
Gopher Tortoise	Gopherus Polyphemus	C	T	No	No
Relict Trillium	Trillium reliquum	Е	Е	No	No
Atlantic Pigtoe	Fusconaia masoni	None	Е	No	No
Georgia Aster	Symphyotrichum georgianum	None	Т	Yes	Yes – can be conducted late Sep.–mid Nov.

Archaeology:

Author: Alexander Smith
Date Surveyed: April 3, 2018
Archaeological Resources Identified:

Within One Kilometer: Yes \boxtimes No \square Within Environmental Survey Boundary: Yes \square No \boxtimes

On April 3, 2018, a check of the Georgia Archaeological Site File (GASF) was conducted for this project using Georgia's Natural, Archaeological, and Historical Resources GIS (GNAHRGIS) database at the University of Georgia in Athens. Three previously recorded sites, 9RI148, 9RI432, and 9RI1167, are located within a 1-kilometer radius of the project area, however all three are located outside the Environmental Survey Boundary (ESB) provided for the project. Site 9RI432 is the childhood home of Woodrow Wilson and is currently listed as an eligible resource on the National Register of Historic Places (NRHP). Site 9RI148 is an isolated field that is currently not recommended as eligible for listing on the NRHP, Site 9RI1167 is a historic obelisk monument that is currently unknown for eligibility on the NRHP. The three previously recorded sites can be found on the Previously Recorded Archaeological Sites Map, page 6.



History:

Author: Mark Grindstaff

Date Surveyed: March 29, 2018

Survey Methodology

A database review of existing information for historic properties in the Area of Potential Effect (APE) for the proposed project was conducted on March 29, 2018. Background research determined that 10 to 15 are potentially eligible that would require further field surveys and evaluation. Based on the ESB provided, all work would occur within existing right-of-way (ROW) and would not result in displacements or property acquisition, which would likely result in minimal or no historic impacts. Further evaluation under Section 106 would be required to develop resource boundaries and potential impacts, as well as coordination with SHPO. A graphic depicting the approximate locations of the historic resources can be found in the Historic Resources Location Maps, pages 9-10. Coordination with SHPO regarding their eligibility will need to occur as the project progresses.

resources can be found in the Historic Resources Location Maps, pages 9-10. Coordination with SHPO regarding their eligibility will need to occur as the project progresses.
Air Quality/Noise: Author: Jim Woodson Date Surveyed: March 29, 2018 Impacts Anticipated: Yes ⊠ No □
Noise No noise assessment is required due to a lack of federal funding for the proposed project.
Air Georgia is in attainment state-wide for particulate matter (PM _{2.5.}) and no further analysis is required. However, an air assessment would be required to include a qualitative analysis for ozone, a quantitative hotspot analysis, and analysis for carbon monoxide
Underground Storage Tanks/Hazardous Materials Sites: Author: Natalie Glazer Date Surveyed: February 6, 2018 Sites Identified: Yes ⊠ No □ Number of potential Sites: 20
Sites Identified: Yes 🖾 No 🗀 Number of potential Sites: 20

A windshield survey of the corridor identified twenty potential underground storage tank (UST) and hazardous waste sites that may present a potential for hazardous material (HazMat) contamination. These sites include gas stations, auto repair shops, steel and metal fabrication, and other industrial related activities. Phase I Environmental Site Assessment (ESA) may be required if right-of-way or easement is required from these properties. The approximate locations of these potential UST and HazMat sites can be found on the UST / HazMat Sites Map, pages 11-13.

Environmental Justification (EJ)

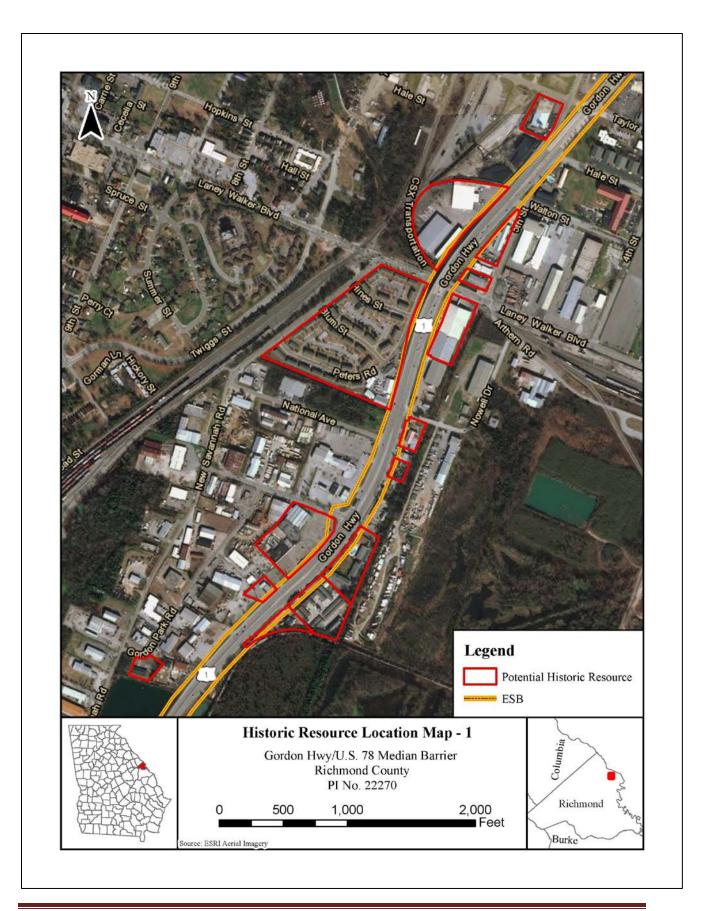
Author: Natalie Glazer

Date Researched: April 30, 2018

EL Involvement? Yes \boxtimes No

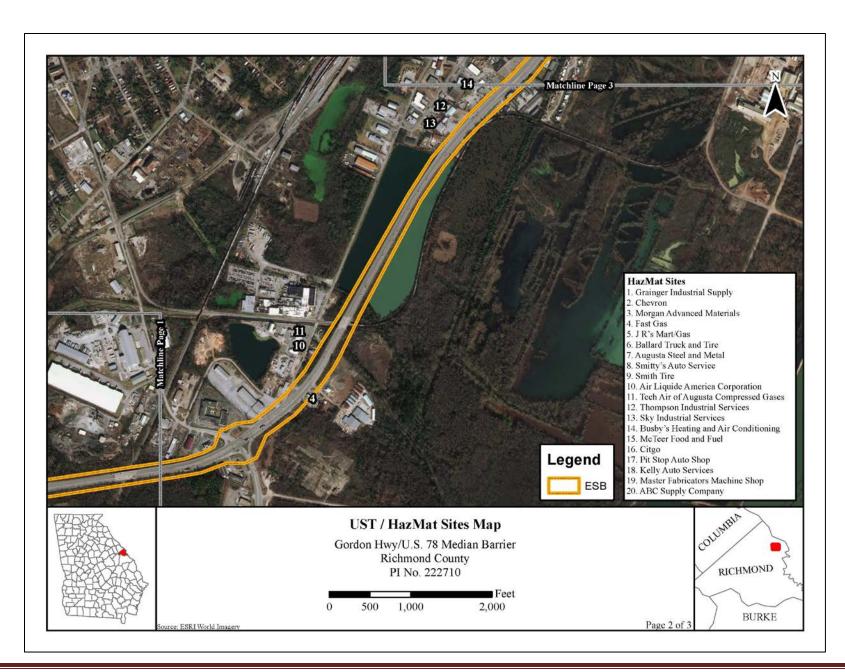
According to the Environmental Protection Agency (EPA) EJSCREEN, the proposed project corridor has a high amount of minority and low-income residents. According to the EJSCREEN Census 2010 Summary Report for the project corridor, the population is 82% minority, and low-income constitutes for 71% in the area of the proposed project. Consideration must be taken as to how the proposed project may affect these low-income minority areas. A public involvement event will likely be required for the

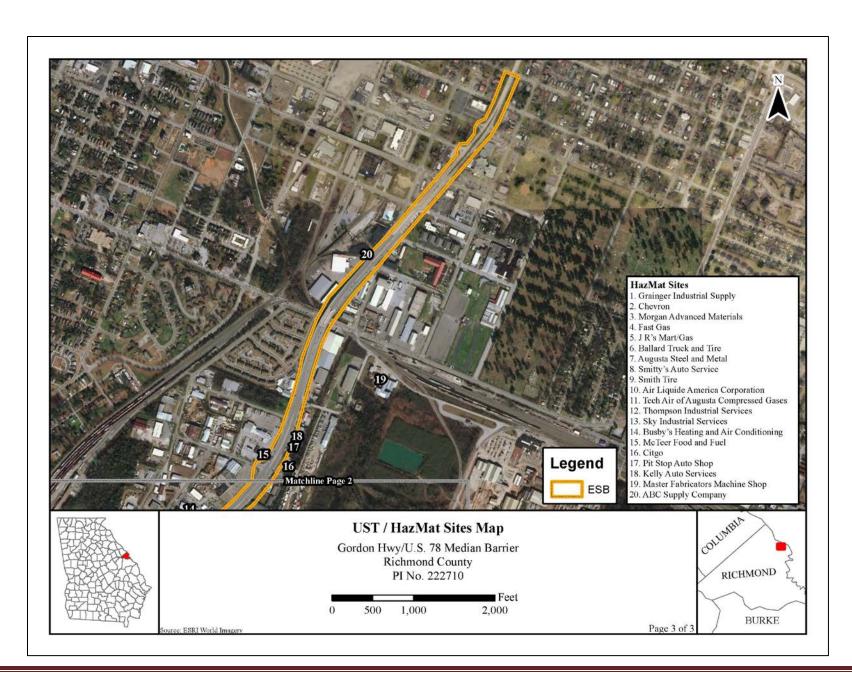
proposed project due to the EJ element. For more information on the demographics of the area, please visit the EPA EJSCREEN interactive mapper: https://ejscreen.epa.gov/mapper/						











Project Concept Report P.I. Number: 0011660
County: RICHMOND

MS4 Concept Report Summary

Attach the following checklist information to the Concept Report Template:

ere a Project Level Exclusion that applies to this project: yes, please indicate which of the following exclusions apply: Roadways that are not owned or operated (maintained) by GDOT may not require post-construction BMPs Coordinate with the appropriate local government or entity to determine stormwater management requirements.
The project location is not within a designated MS4 area.
Maintenance and safety improvement projects whereby the sites are not connected and disturbs less than one acre at each individual site. This includes projects such as repaving, shoulder building, fiber optic line installation, sign addition, and sound barrier installation.
Projects that have their environmental documents approved or right-of-way plans submitted for approval or or before June 30th, 2012.
Road projects that disturb less than 1 acre or for site development projects that add less than 5,000 ft ² of impervious area.

If the project has a Project Level Exclusion nothing further is needed.

If the project does not have a Project Level Exclusion use the MS4 Concept Level Design Spreadsheet to estimate the treatment volumes and flow rates, size the BMP's, complete the tables below, and include as an attachment to the Concept Report. Add additional rows, if necessary. It is understood that this information will be approximate based on available information at the time of the concept.

In MS4 designated areas, water quantity requirements may be waived for drainage areas that flow directly into surface waters that have a drainage area greater than 5 square miles.

Drainage Area Summary										
								Water	Channel	Required
								Quality	Protection	Detention
		Pre-Deve	lopmen	t	Post-Development		Volume	Volume	Volume	
		Weighted				Weighted		(Cubic	(Cubic	(Cubic
Outfall Area	Тс	CN	Area (Acres)	Tc	CN	Area (Acres)	Feet)	Feet)	Feet)
1										
2										
3										

BMP Selection and Feasibility Summary							
	Outfa	all Level Exclusion?		Is the BMP Feasible?			
			BMP		Infeasibility Criteria		
	Y/N	Exclusion No.	Selected	Y/N	No.		
Outfall Area							
1							
2							
3							